

FIG.1

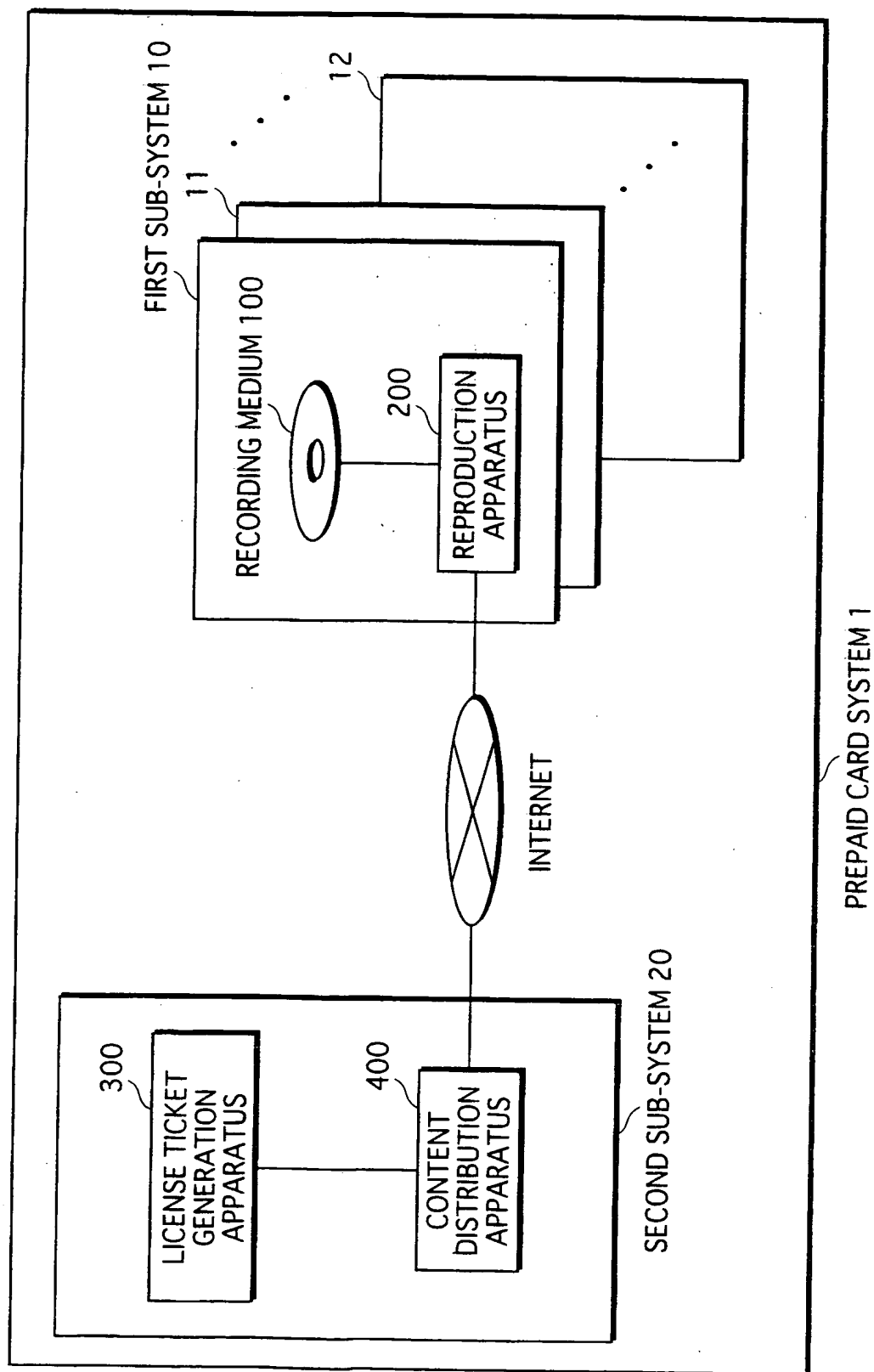


FIG.2

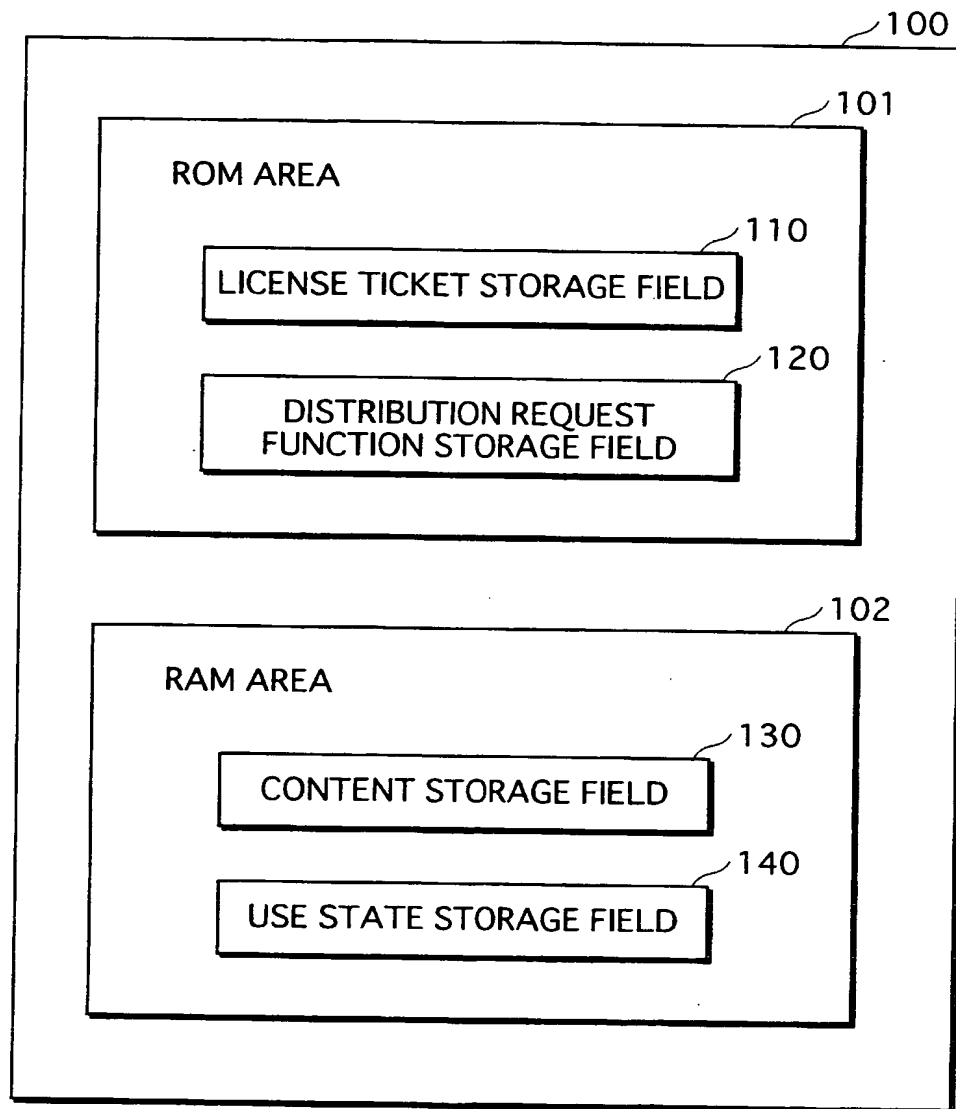


FIG.3

T100

TICKET NUMBER	USABLE CONTENT ID	USE RULE		TICKET-SPECIFIC ENCRYPTED MASTER KEY
		RENTAL	PURCHASE	
1	100*****	3 DAYS	300 YEN	Enc(DK,WK)
2	100*****	3 DAYS	300 YEN	Enc(DK,WK)
3	100*****	3 DAYS	300 YEN	Enc(DK,WK)
4	100*****	5 DAYS	500 YEN	Enc(DK,WK)
5	100*****	5 DAYS	500 YEN	Enc(DK,WK)
6	100*****	5 DAYS	500 YEN	Enc(DK,WK)
7	100*****	7 DAYS	700 YEN	Enc(DK,WK)
8	100*****	7 DAYS	700 YEN	Enc(DK,WK)
9	100*****	7 DAYS	700 YEN	Enc(DK,WK)
10	100*****	10 DAYS	1000 YEN	Enc(DK,WK)

FIG.4

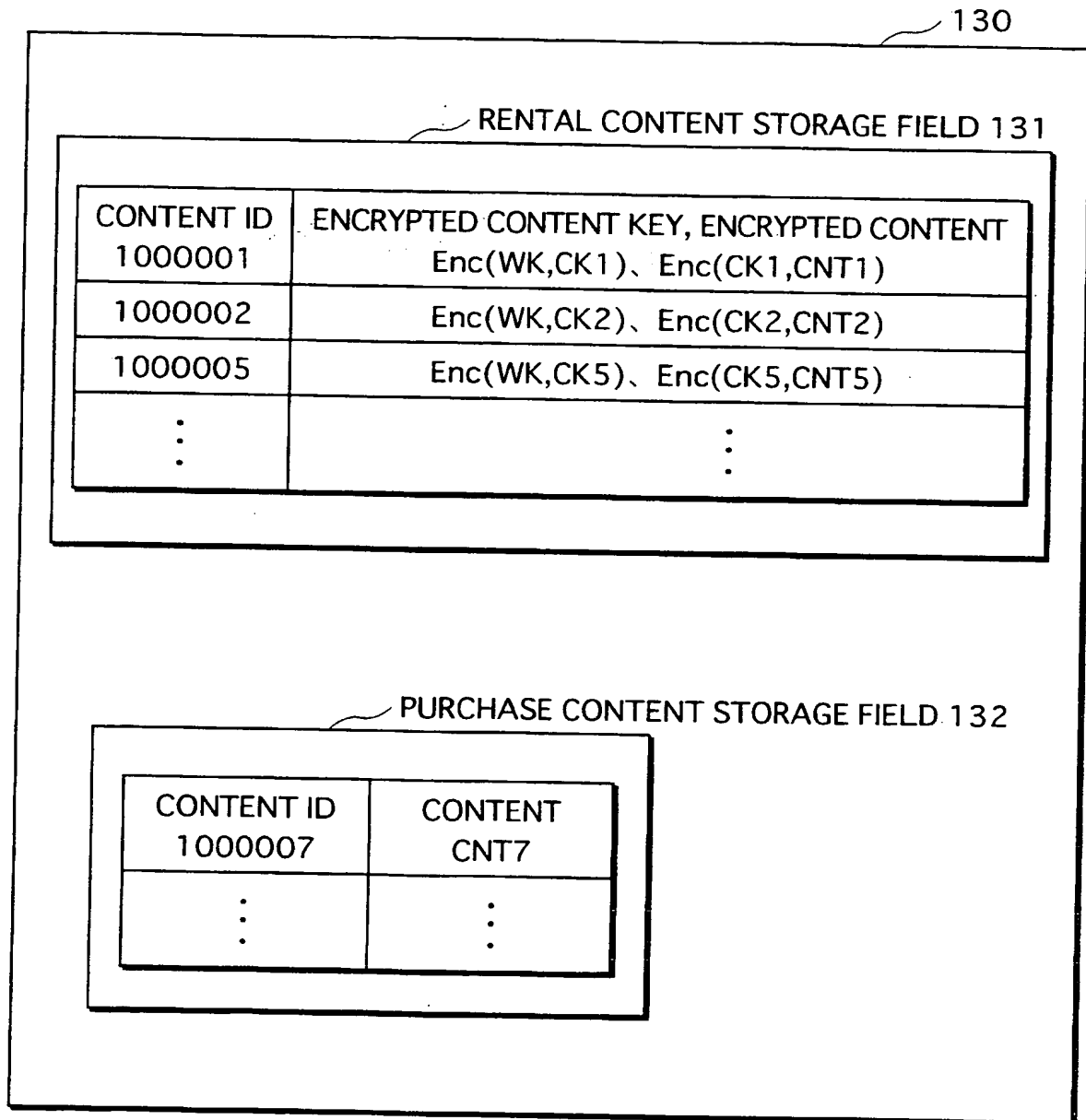


FIG.5

T150
↙

USE NUMBER	USE STATE	USE FORM	USE START DATE/TIME	CONTENT ID	CONTENT NAME	PRICE
1	USED	RENTAL	MAY 1, 2003 12:00	1000001	AAA	700 YEN
2	USED	RENTAL	MAY 15, 2003 20:00	1000002	BBB	700 YEN
3	NOT USED					
4	USED	PURCHASE	MAY 10, 2003 22:00	1000007	GGG	1000 YEN
5	USED	PURCHASE	MAY 10, 2003 22:00	1000007	GGG	1000 YEN
6	NOT USED					
7	IN USE	RENTAL	MAY 20, 2003 18:00	1000005	EEE	700 YEN
8	NOT USED					
9	NOT USED					
10	NOT USED					

FIG.6

↖ M100

AVAILABLE CONTENT LIST SCREEN			PAGE 1/20
CONTENT ID	CONTENT NAME	PRICE	
1000001	AAA	700 YEN	
1000002	BBB	700 YEN	↖ M101
1000003	CCC	1000 YEN	↖ M102
1000004	DDD	700 YEN	↖ M103
1000005	EEE	700 YEN	

FIG.7

M150

SELECTED CONTENT M151

CONTENT ID	CONTENT NAME	PRICE
1000003	CCC	1000 YEN

USE FORM

RENTAL

PURCHASE

M152

FIG.8

M200

SELECTED CONTENT

M201

CONTENT ID	CONTENT NAME	PRICE
1000003	CCC	1000 YEN

USABLE LICENSE TICKET

M202

TICKET NUMBER	USABLE CONTENT ID	USE RULE (RENTAL)
3	100*****	3 DAYS
6	100*****	5 DAYS
8	100*****	7 DAYS
9	100*****	7 DAYS
10	100*****	10 DAYS

FIG.9

M250

SELECTED CONTENT

M251

CONTENT ID	CONTENT NAME	PRICE
1000003	CCC	1000 YEN

USABLE LICENSE TICKET
(PLURAL TICKETS CAN BE SELECTED)

M252

TICKET NUMBER	USABLE CONTENT ID	USE RULE (PURCHASE)
3	100 * * * *	300 YEN
6	100 * * * *	500 YEN
8	100 * * * *	700 YEN
9	100 * * * *	700 YEN
10	100 * * * *	1000 YEN

FIG.10

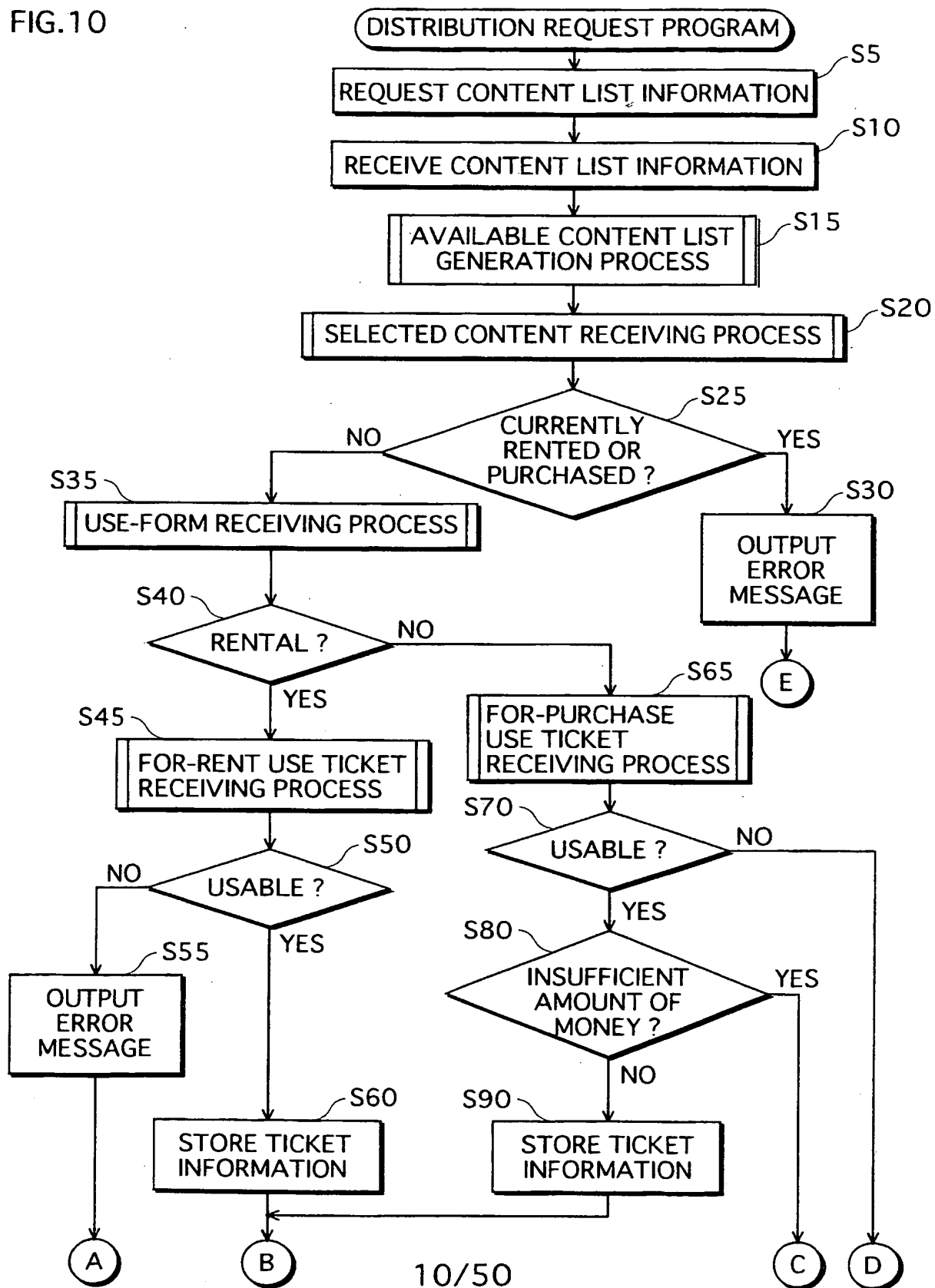


FIG.11

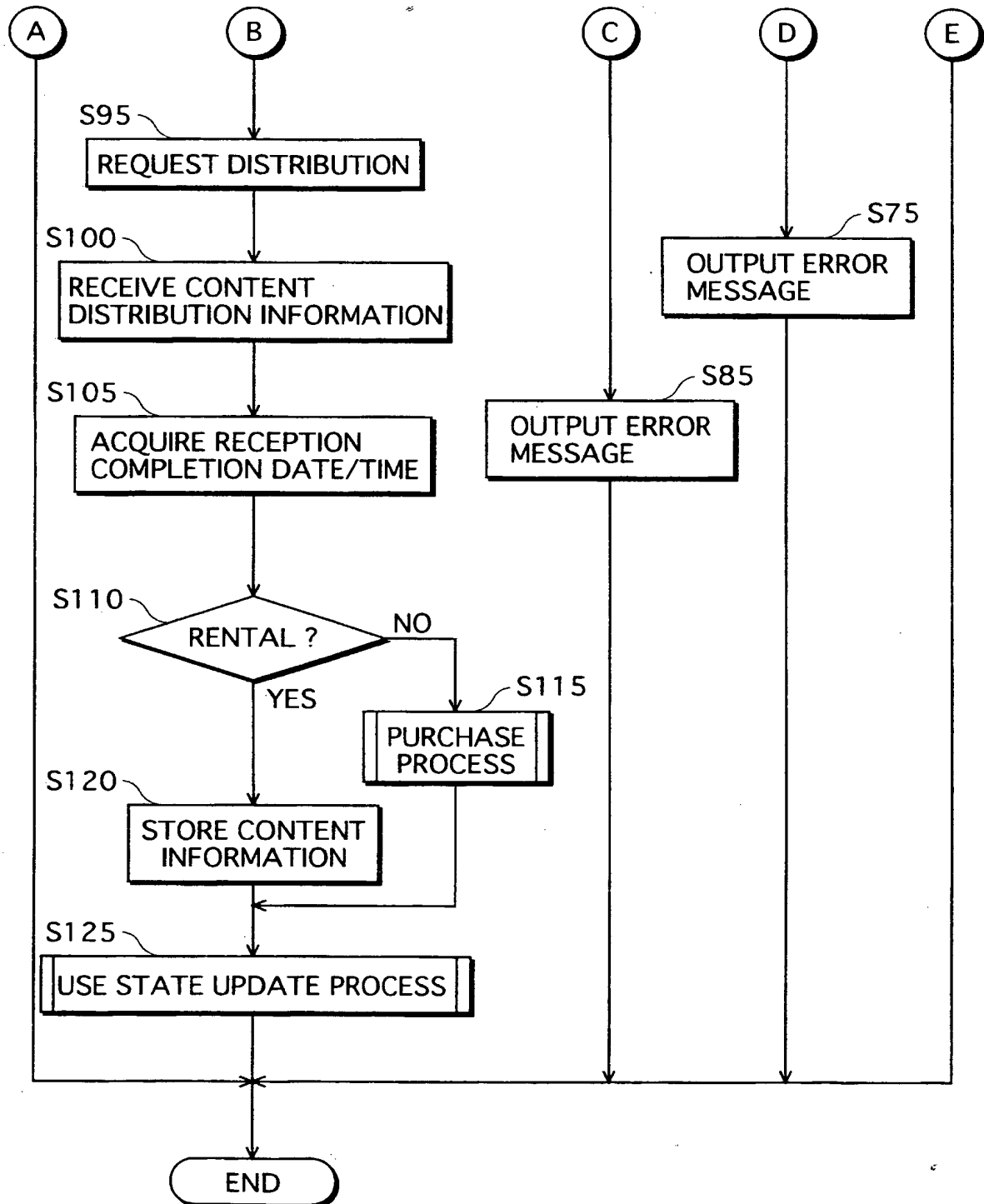


FIG.12

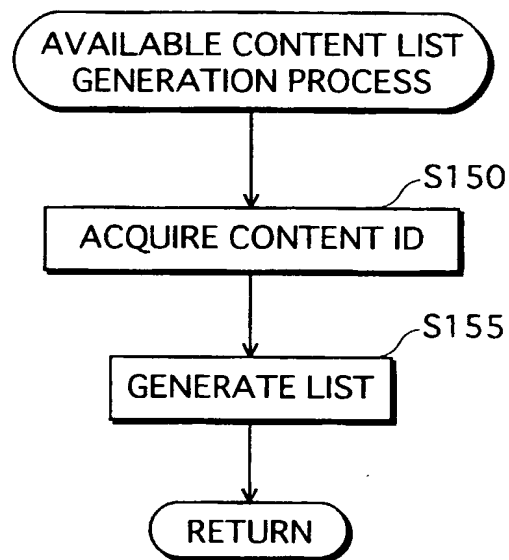


FIG.13

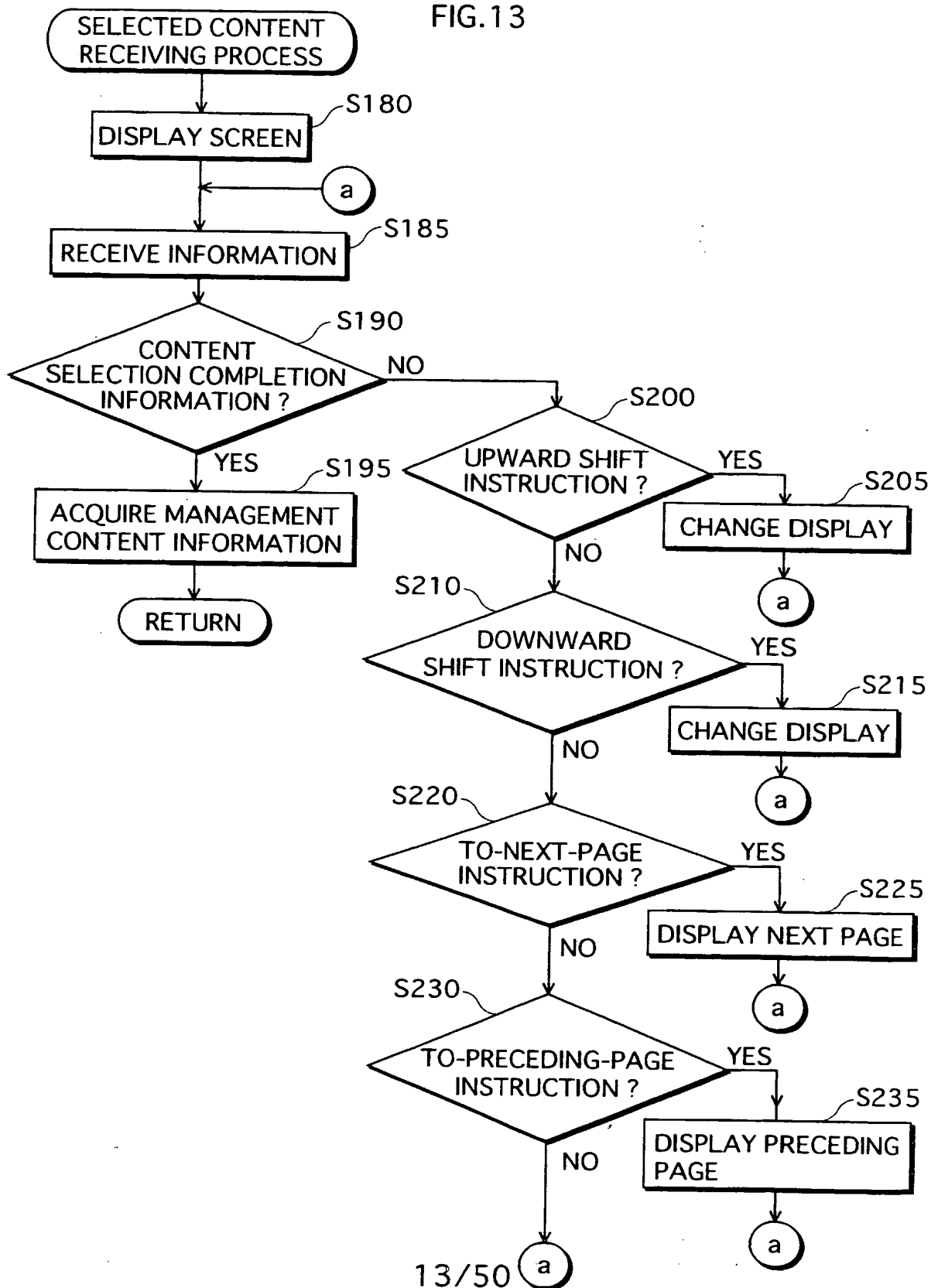


FIG.14

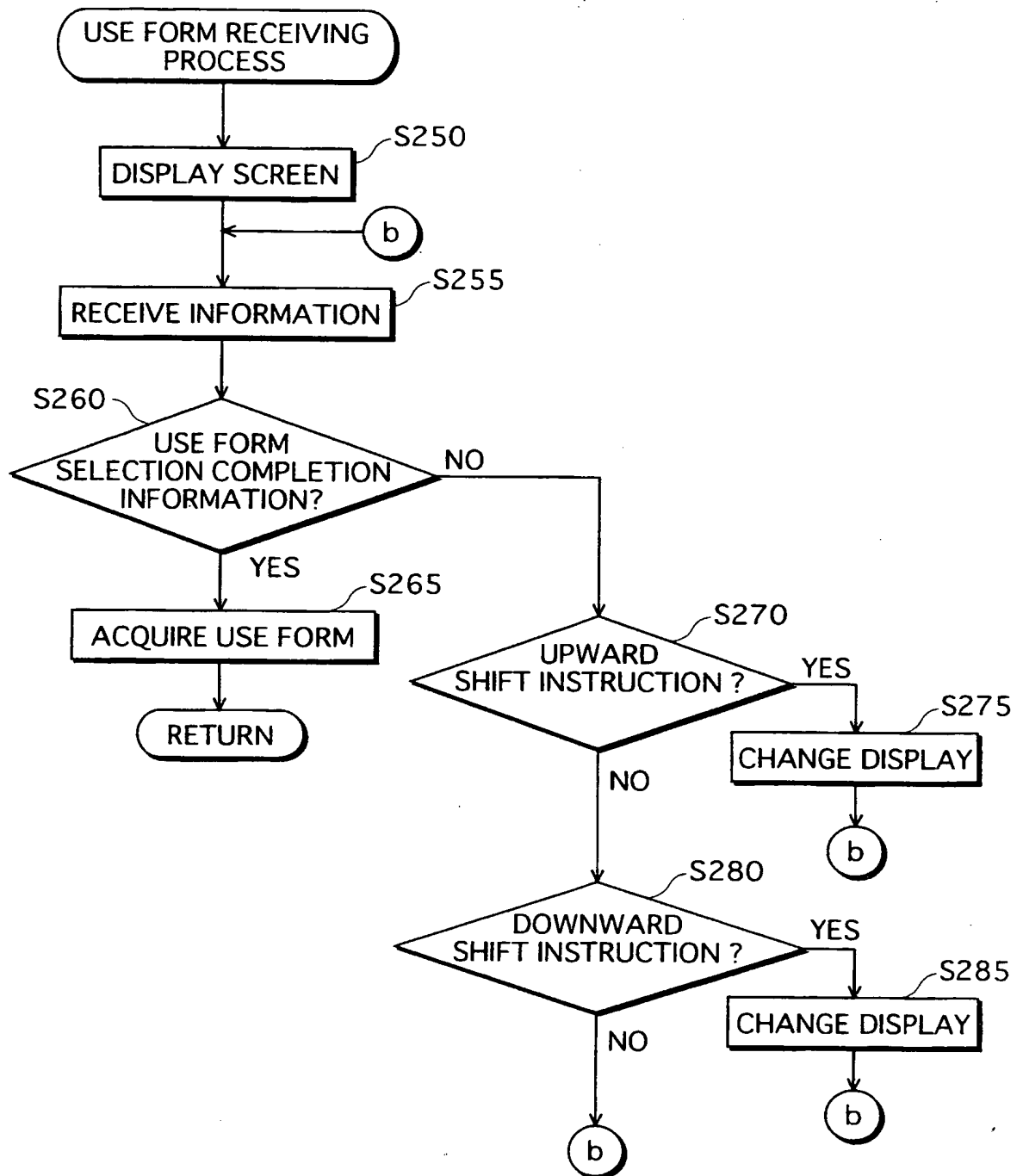


FIG.15

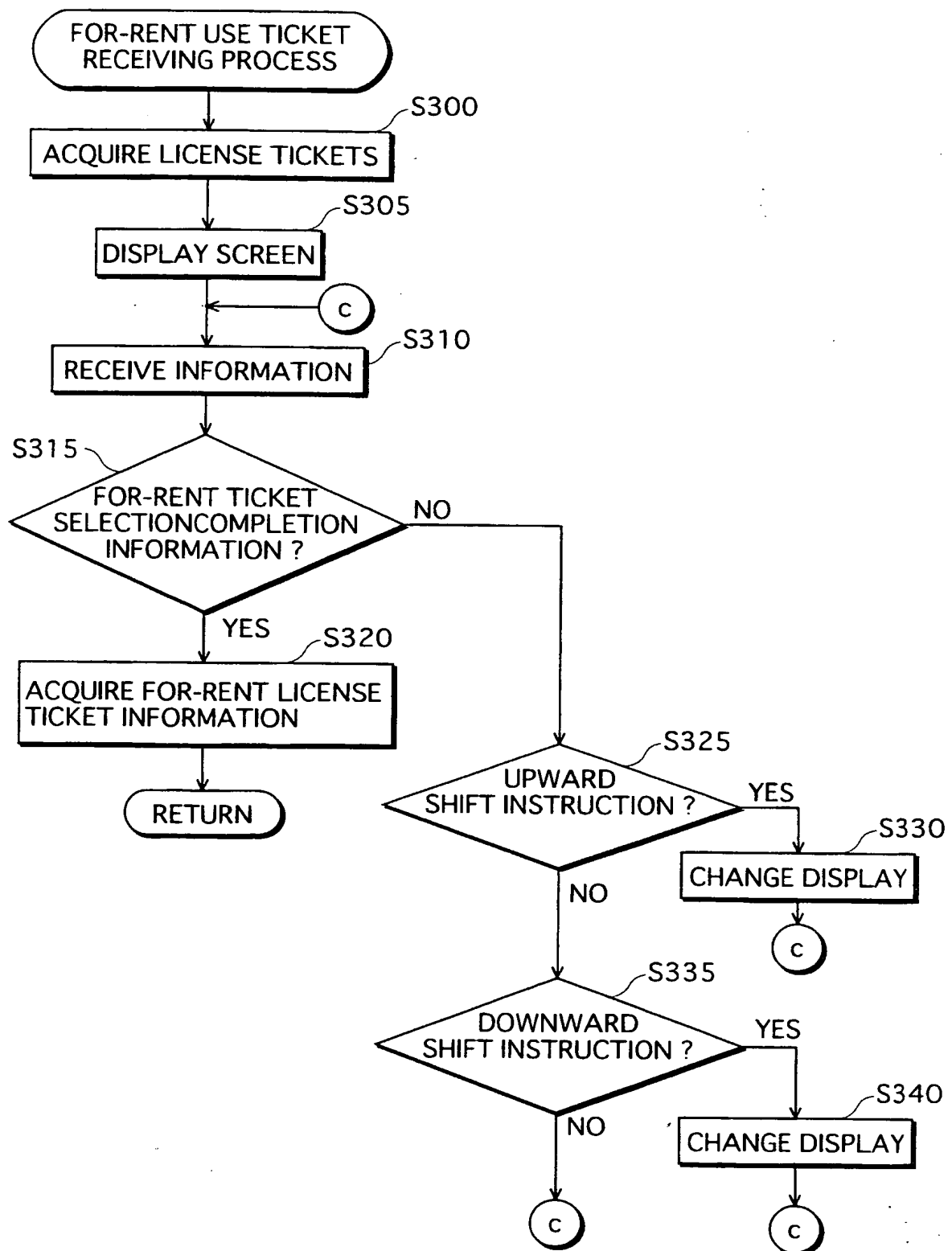


FIG.16

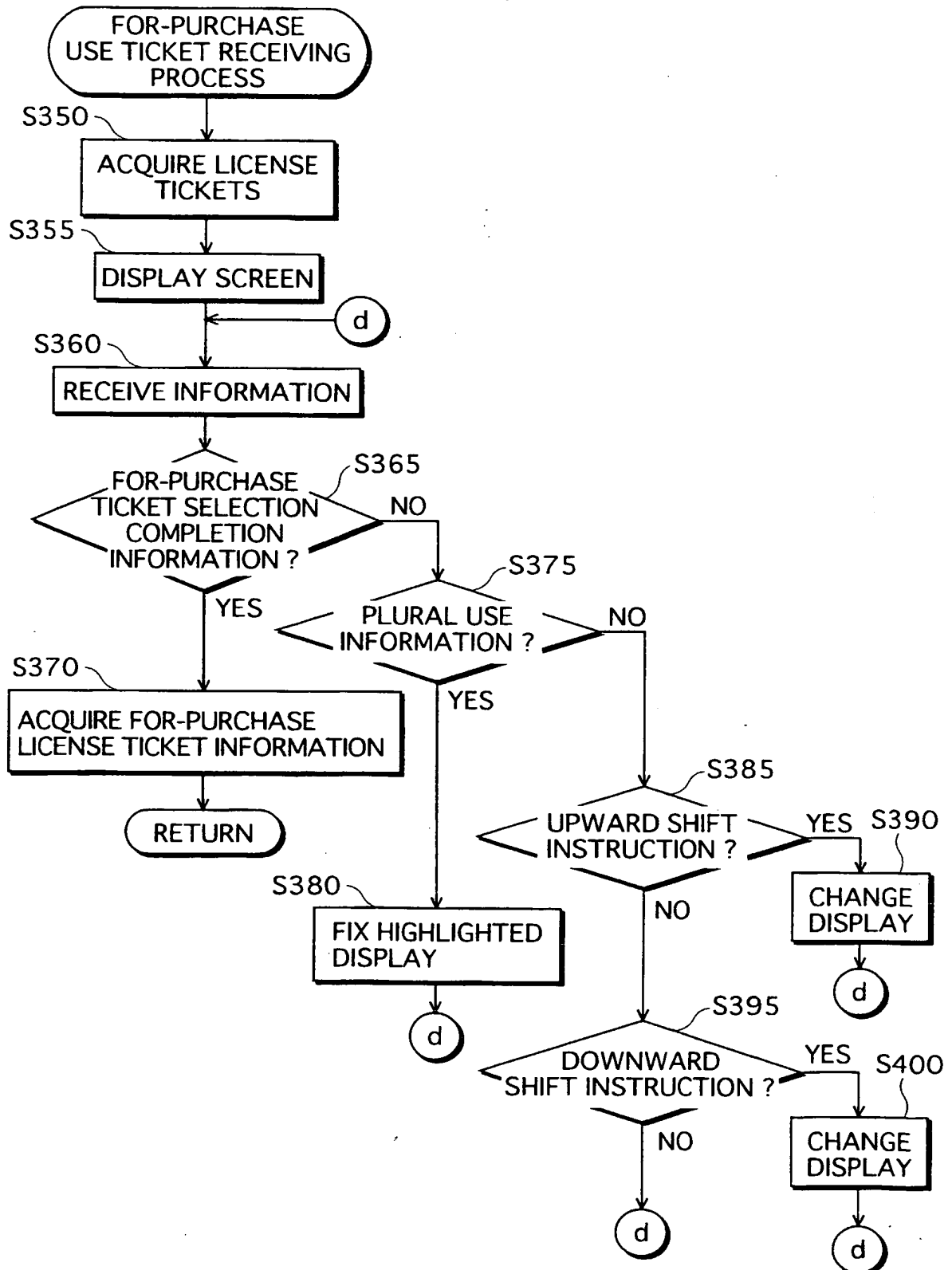


FIG.17

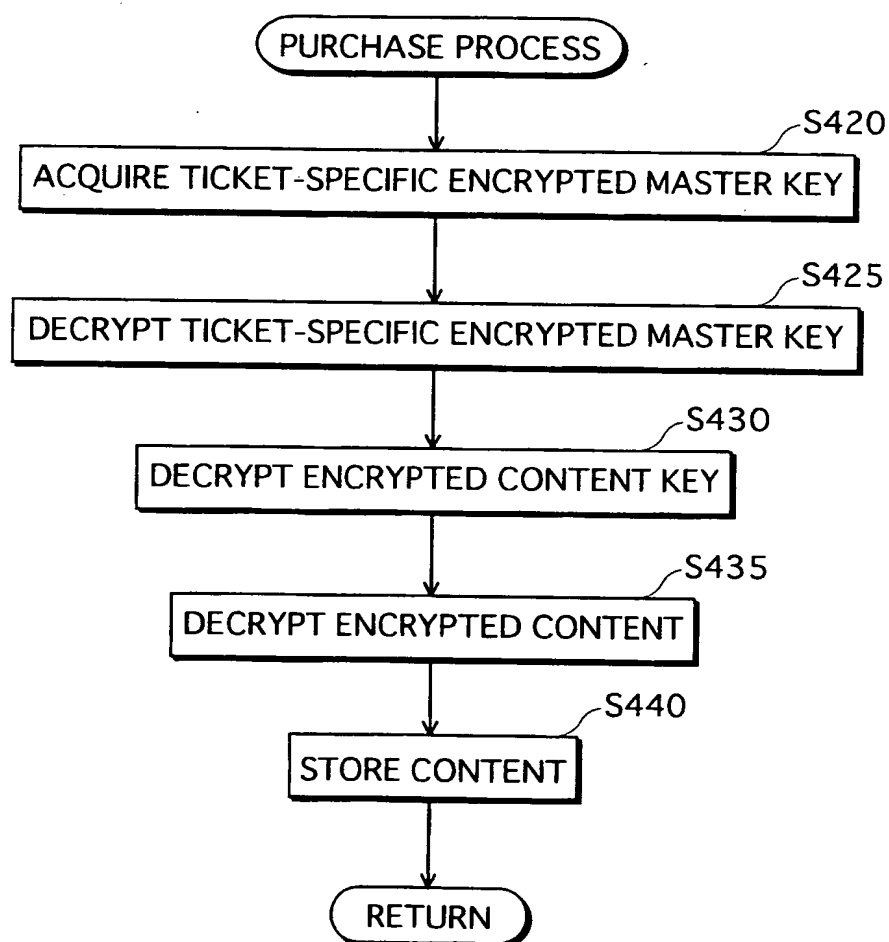


FIG.18

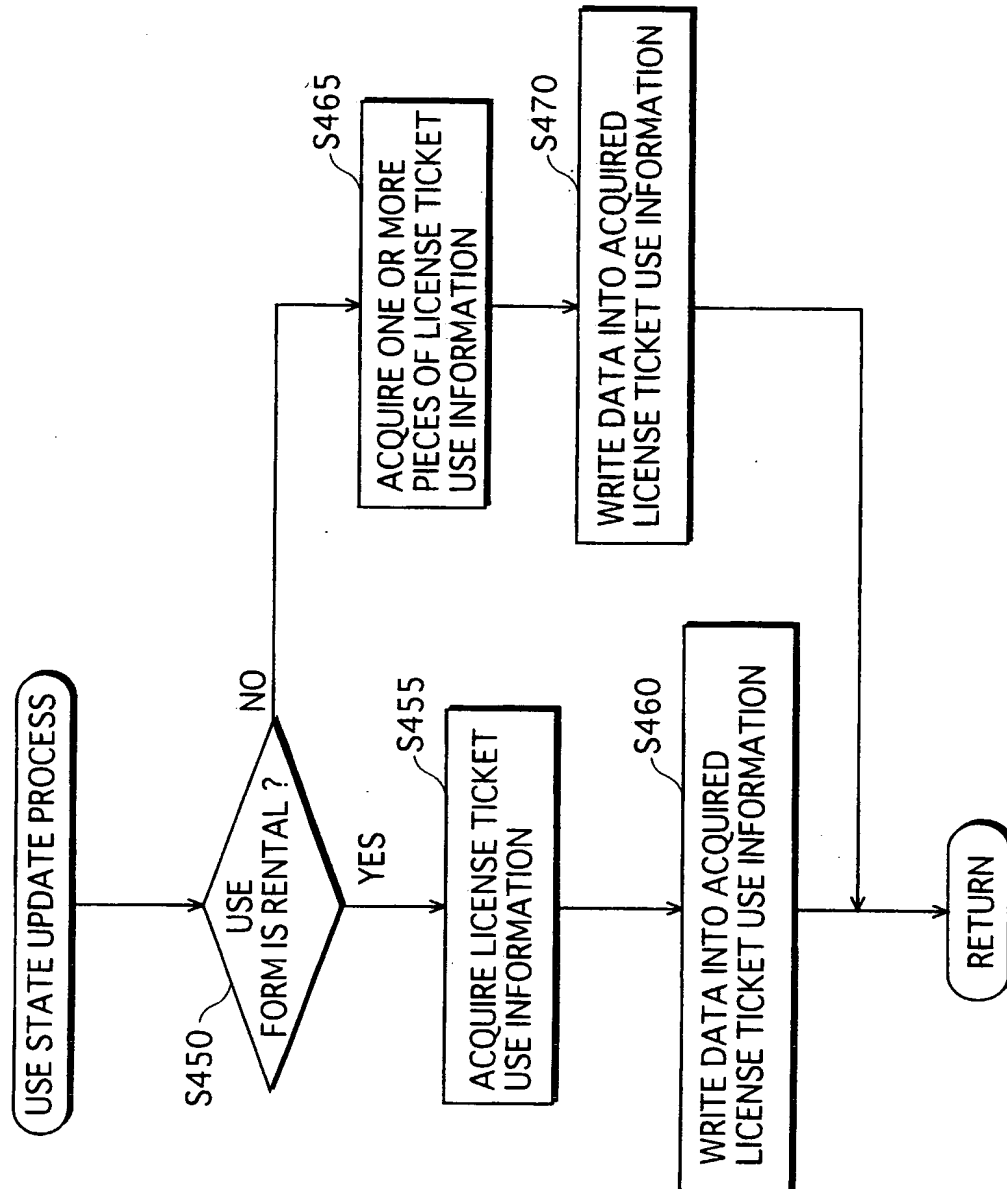


FIG.19

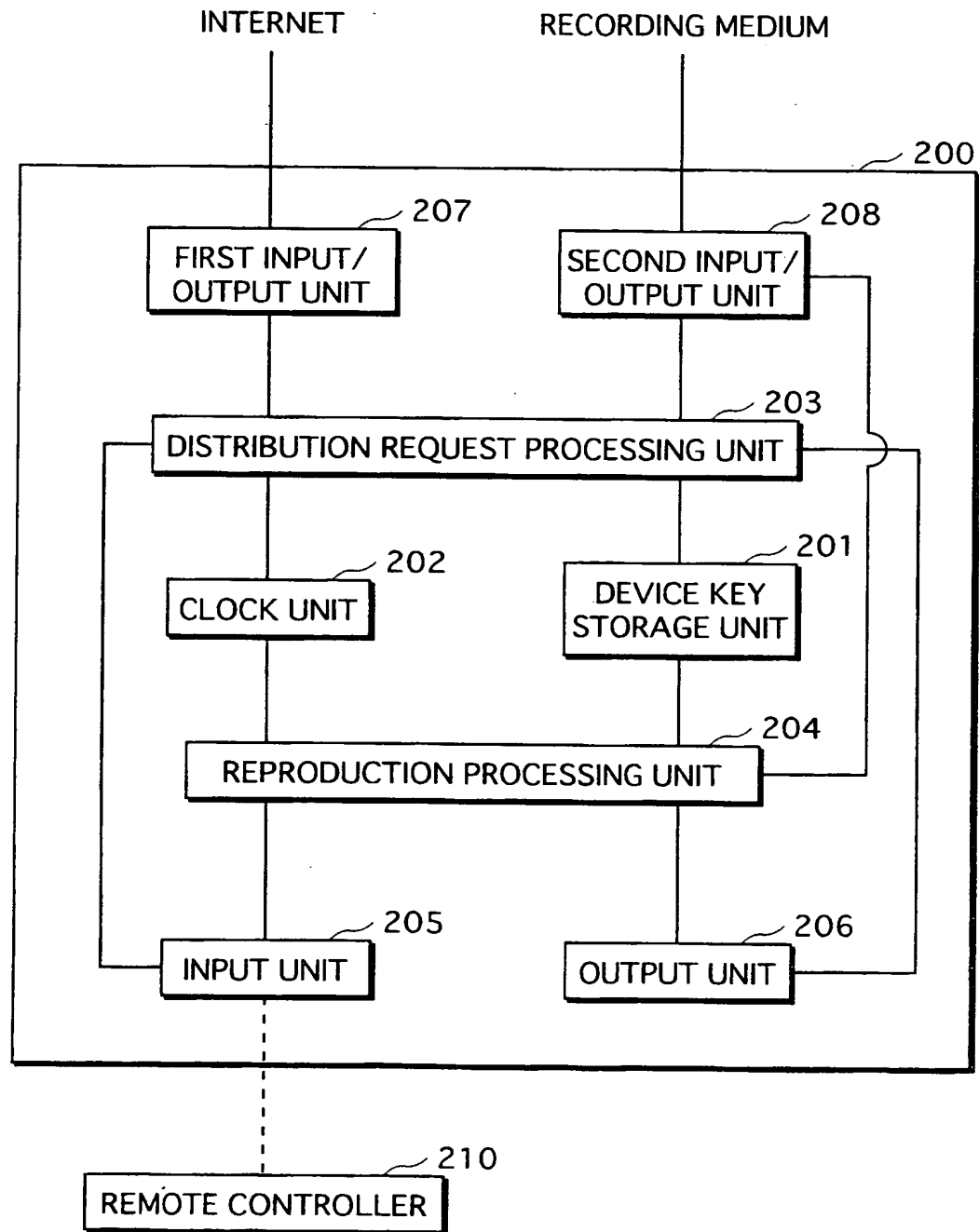


FIG.20

↖ M300

SELECTION OF REPRODUCTION CONTENT		
USE NUMBER	CONTENT ID	CONTENT NAME
4	1000007	GGG
7	1000005	EEE

↖ M301

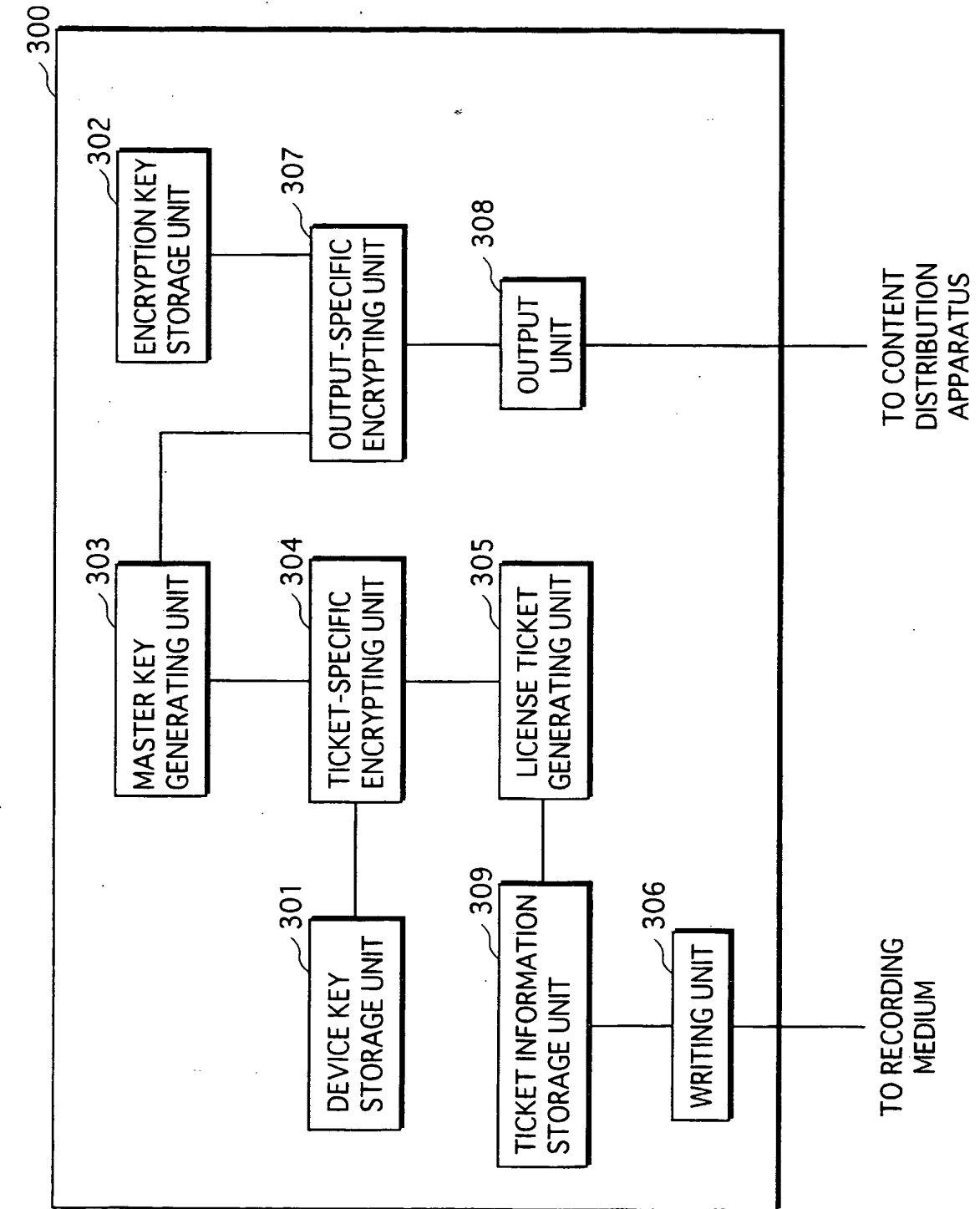


FIG.22

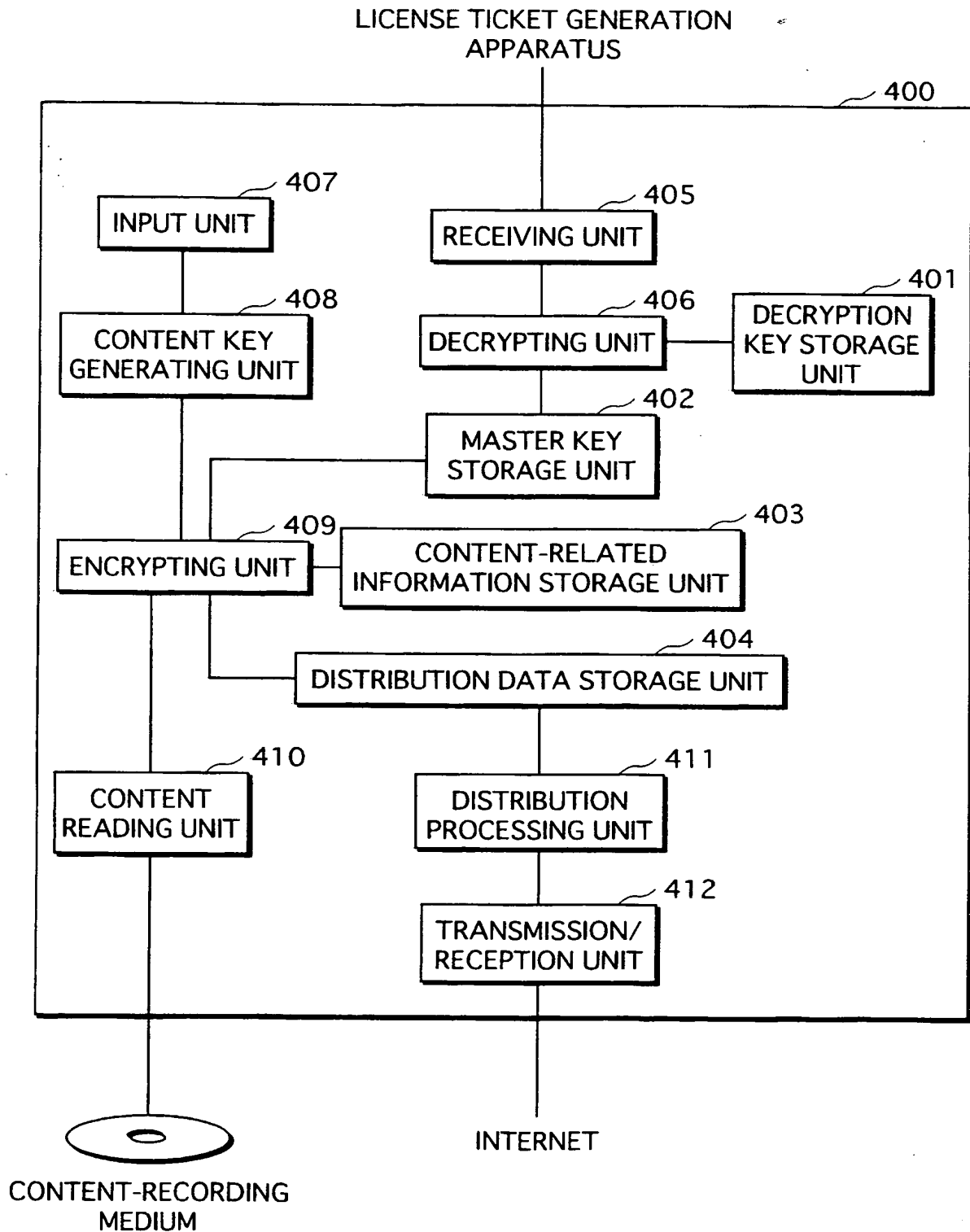


FIG.23

↖ T400

CONTENT ID	CONTENT NAME	PRICE
1000001	AAA	700 YEN
1000002	BBB	700 YEN
1000003	CCC	1000 YEN
1000004	DDD	700 YEN
1000005	EEE	700 YEN
⋮	⋮	⋮

FIG.24

T410

CONTENT ID	CONTENT NAME	ENCRYPTED CONTENT KEY	ENCRYPTED CONTENT	PRICE
1000001	AAA	Enc(WK,CK1)	Enc(CK1,CNT1)	700 YEN
1000002	BBB	Enc(WK,CK2)	Enc(CK2,CNT2)	700 YEN
1000003	CCC	Enc(WK,CK3)	Enc(CK3,CNT3)	1000 YEN
1000004	DDD	Enc(WK,CK4)	Enc(CK4,CNT4)	700 YEN
1000005	EEE	Enc(WK,CK5)	Enc(CK5,CNT5)	700 YEN
⋮	⋮	⋮	⋮	⋮
⋮	⋮	⋮	⋮	⋮

FIG.25

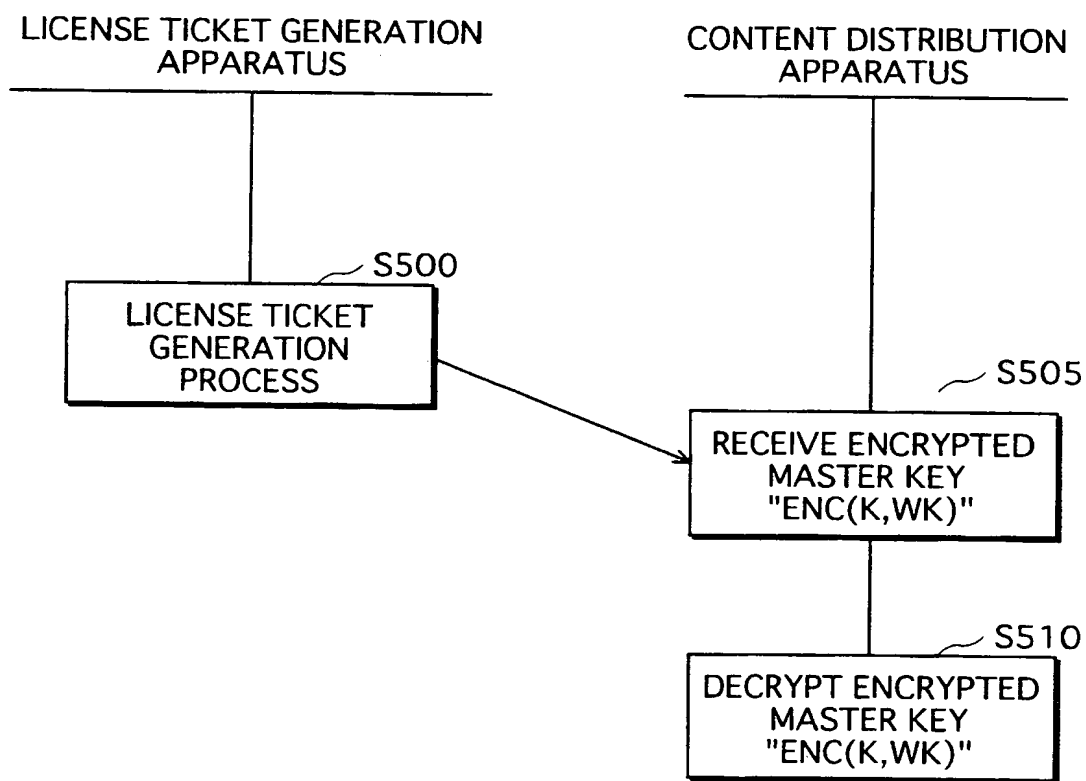


FIG.26

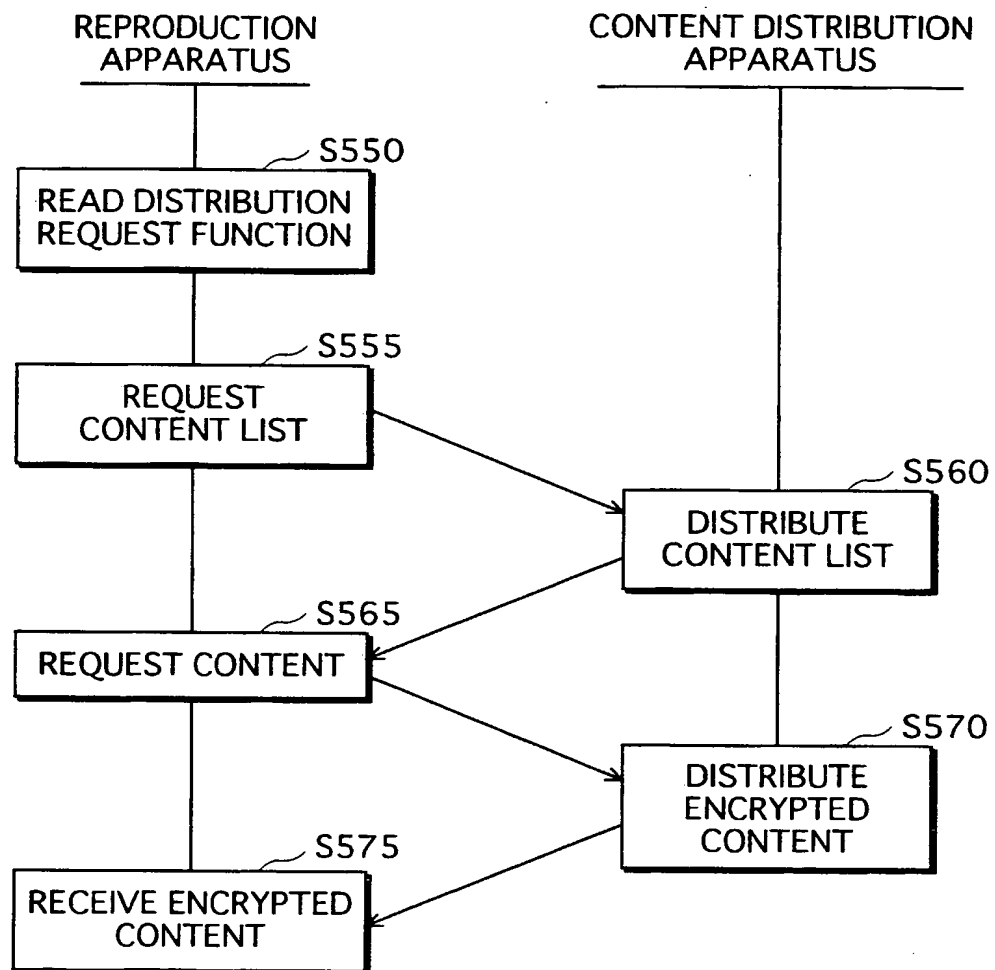


FIG.27

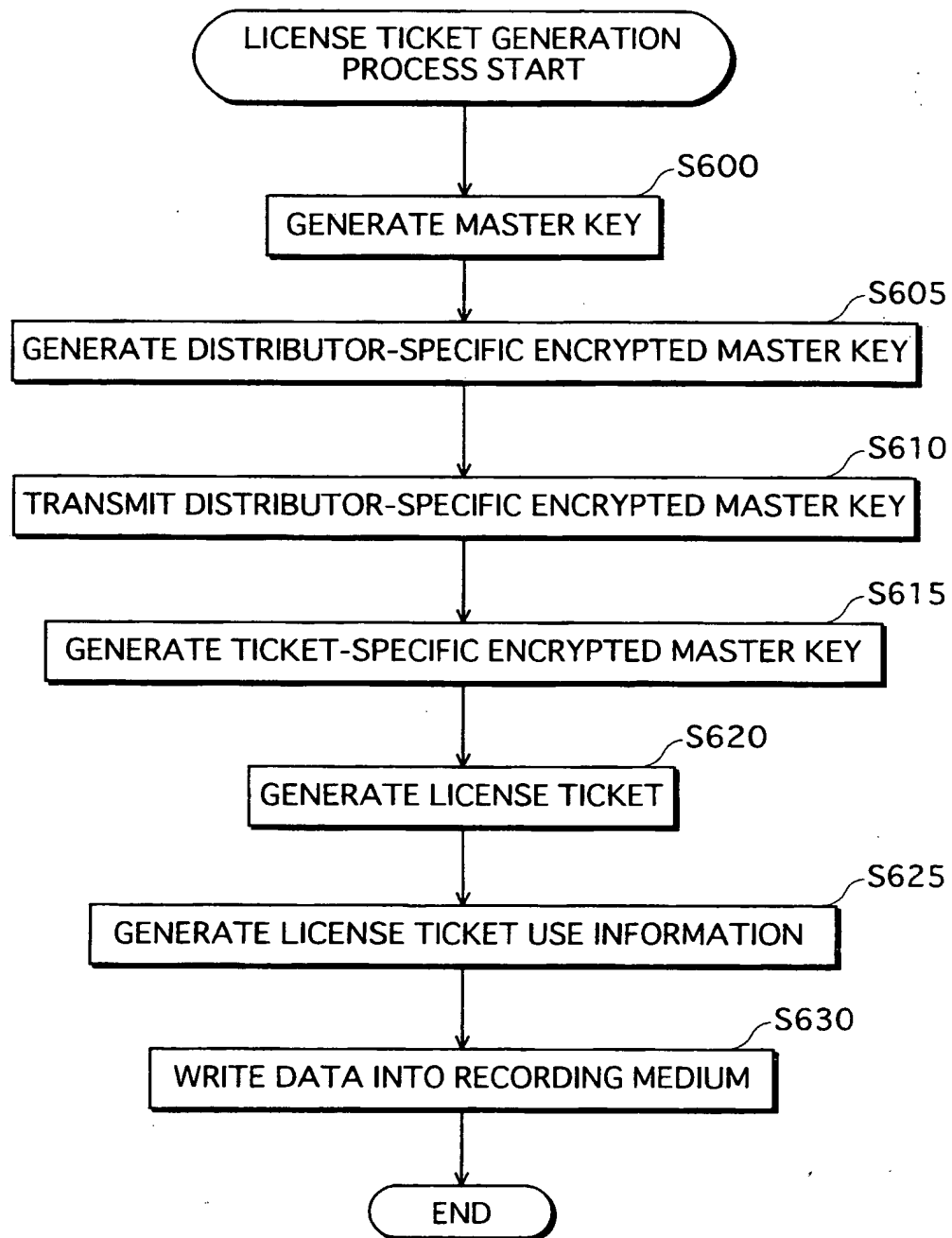
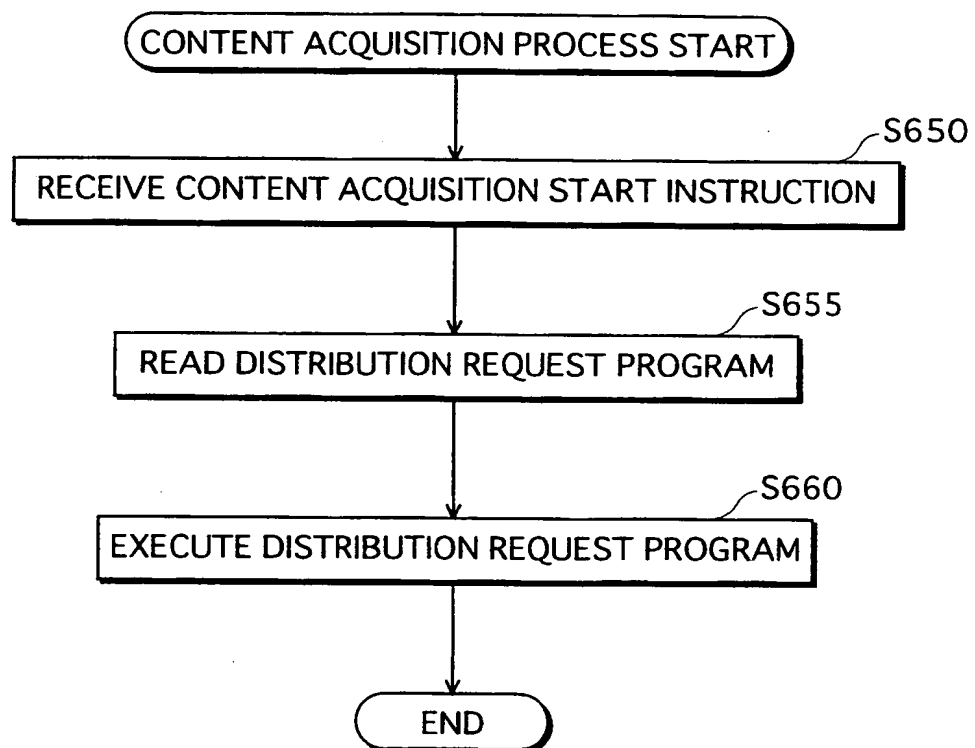


FIG.28



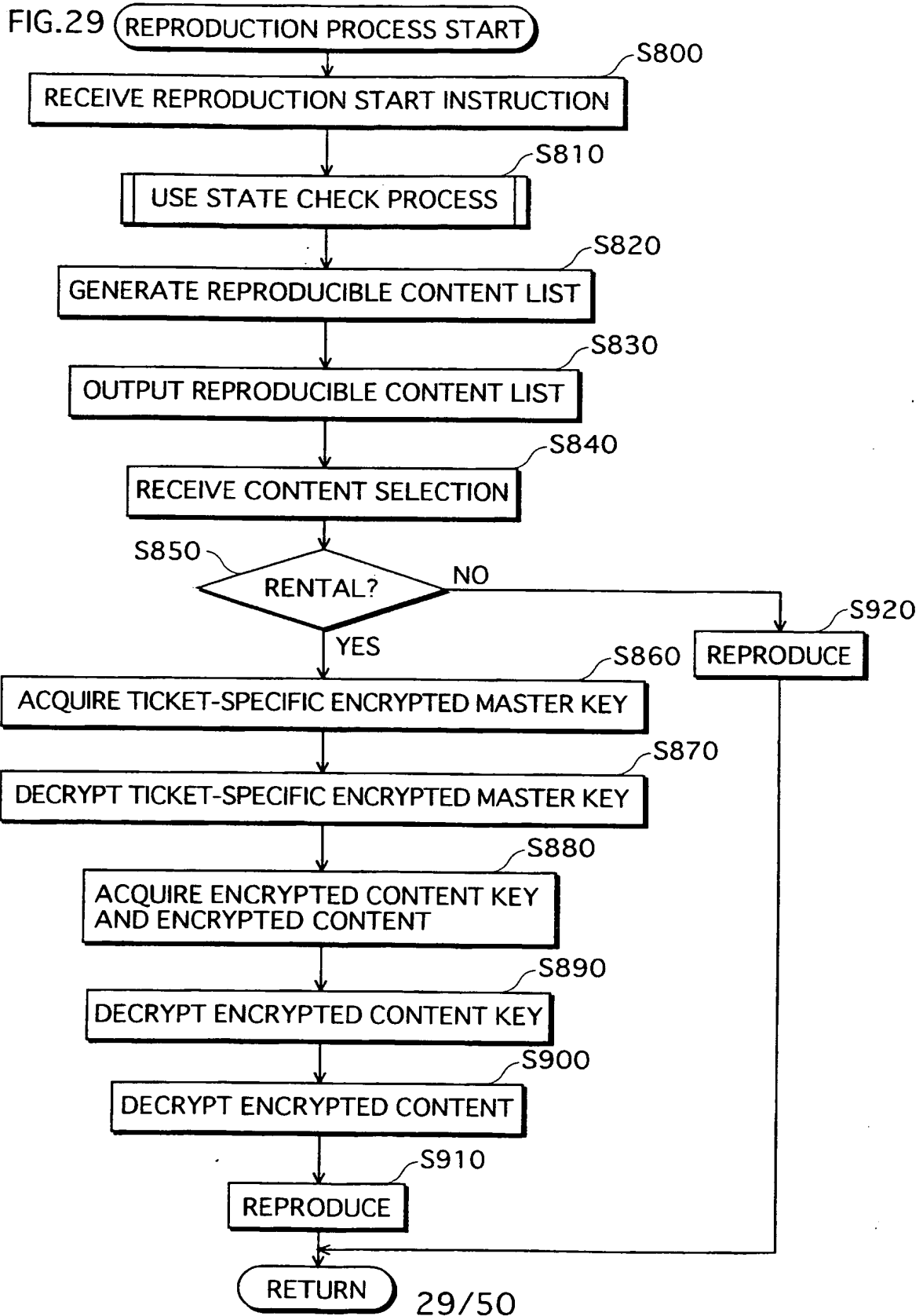


FIG.30

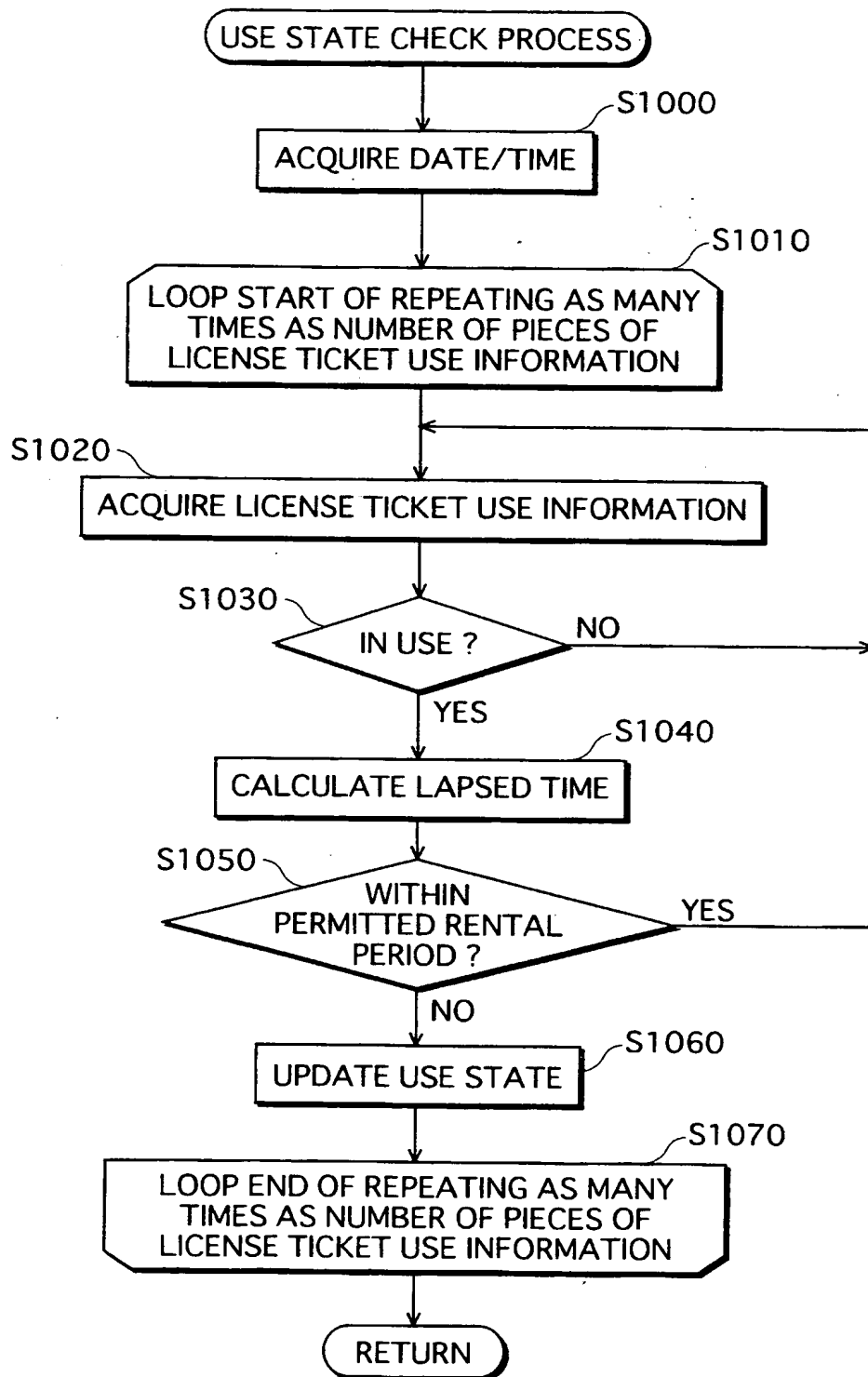


FIG.31

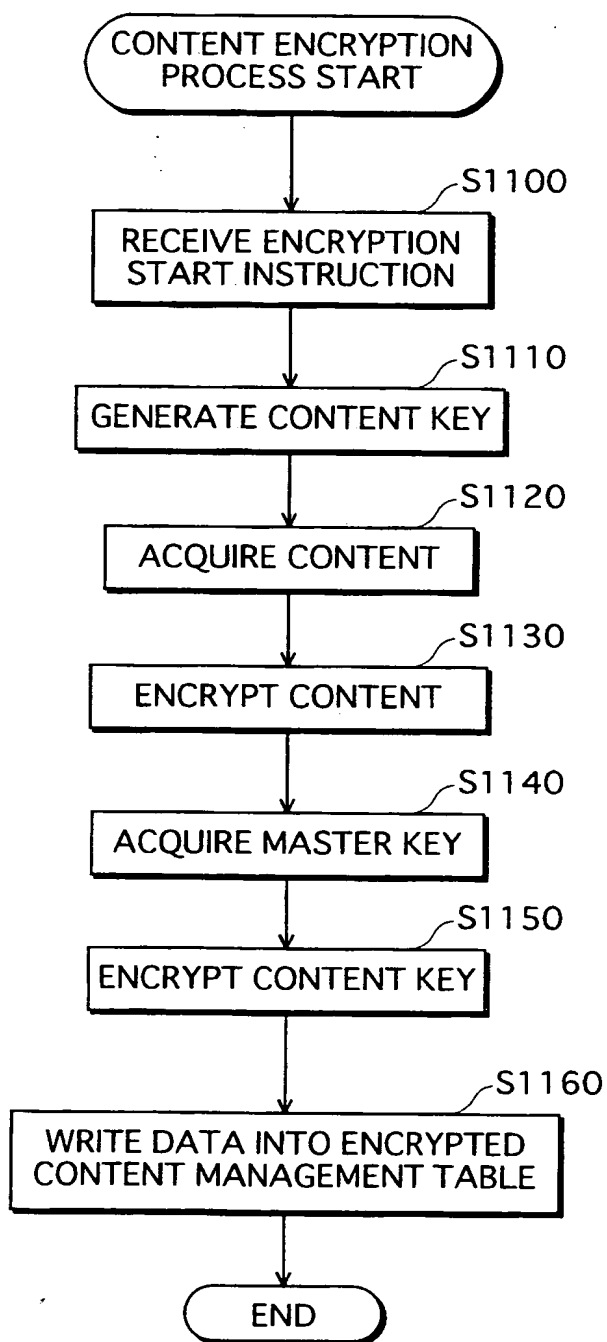
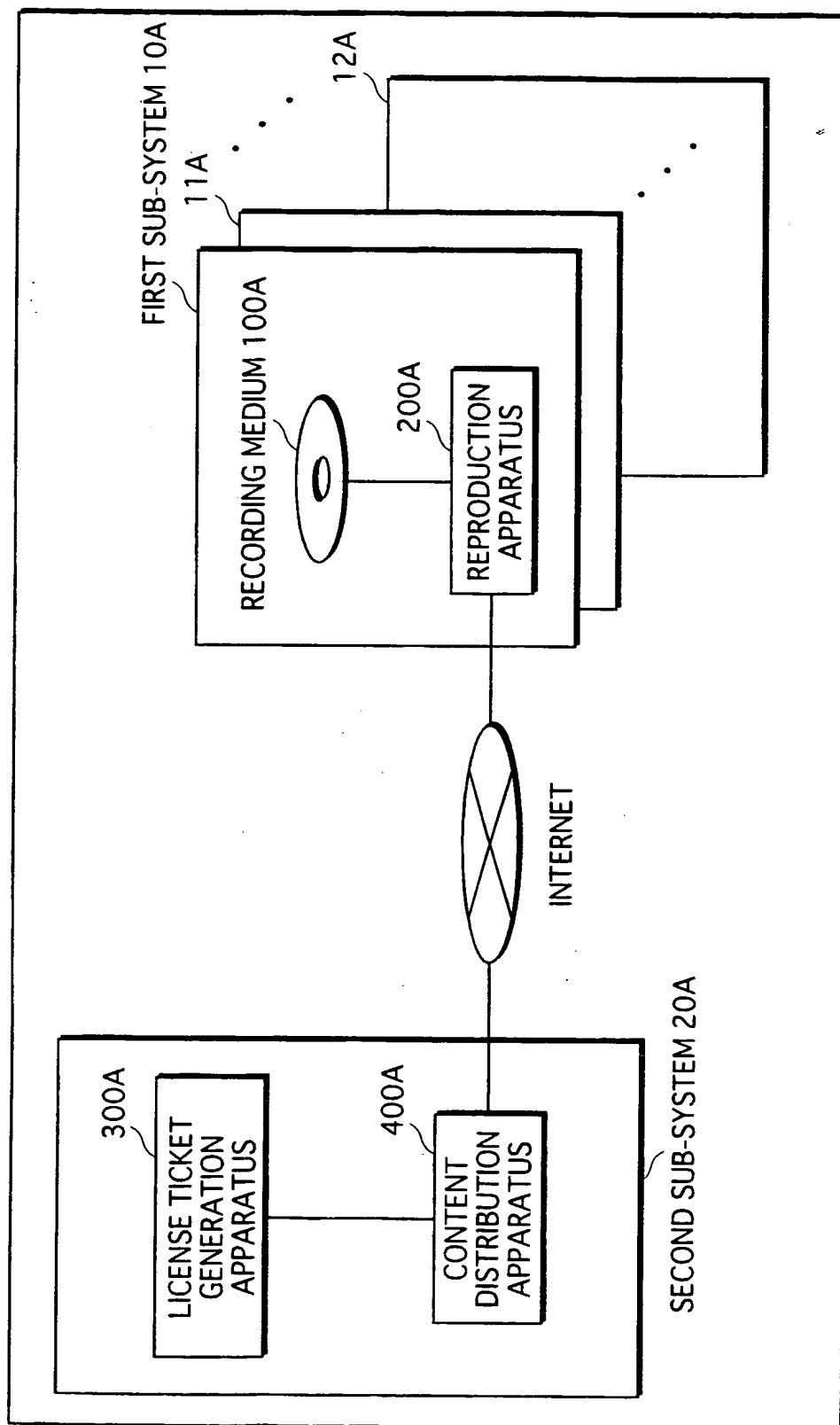


FIG.32



PREPAID CARD SYSTEM 2

FIG.33

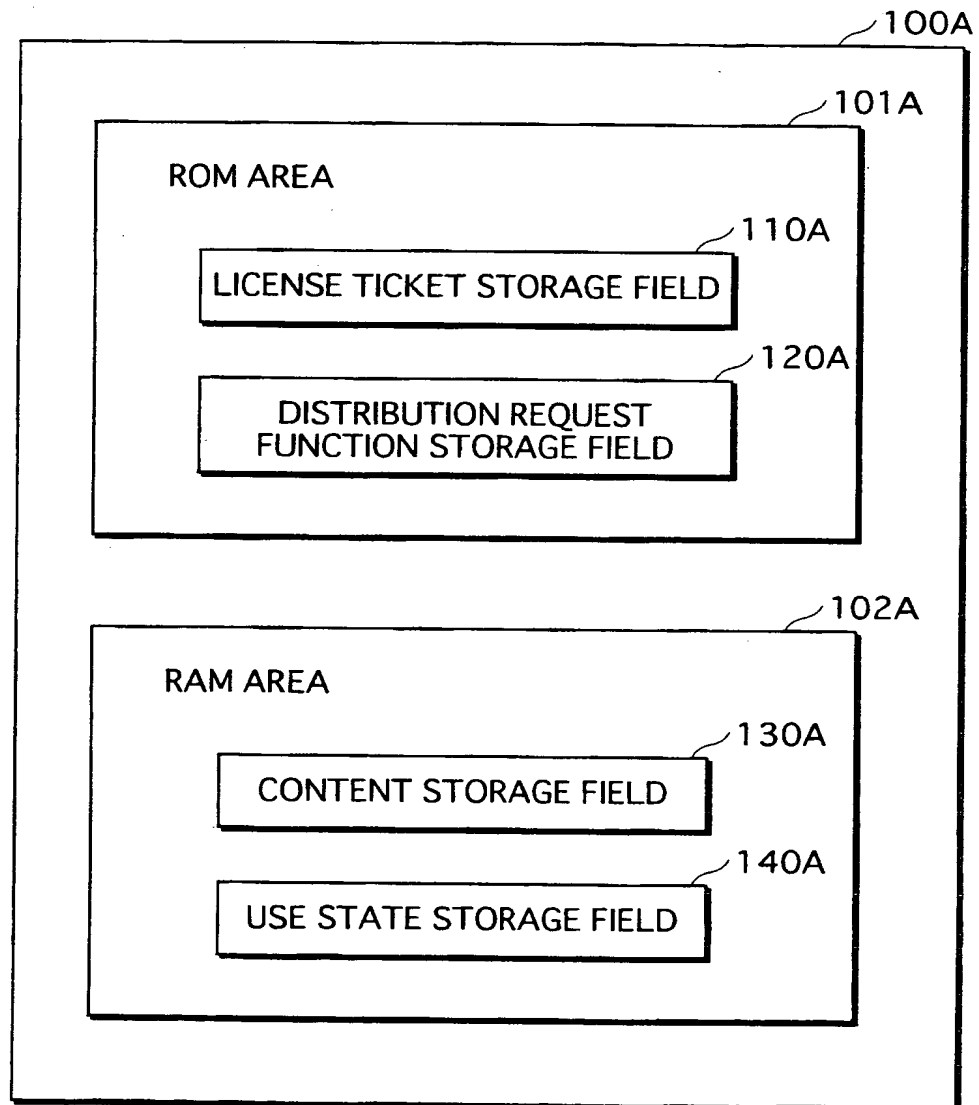


FIG.34

↙ T100A

TICKET NUMBER	USABLE CONTENT ID	USE RULE		TICKET-SPECIFIC ENCRYPTED MASTER KEY
		RENTAL	PURCHASE	
1	100*****	3 DAYS	300 YEN	Enc(DK,WK1)
2	100*****	3 DAYS	300 YEN	Enc(DK,WK2)
3	100*****	3 DAYS	300 YEN	Enc(DK,WK3)
4	100*****	5 DAYS	500 YEN	Enc(DK,WK4)
5	100*****	5 DAYS	500 YEN	Enc(DK,WK5)
6	100*****	5 DAYS	500 YEN	Enc(DK,WK6)
7	100*****	7 DAYS	700 YEN	Enc(DK,WK7)
8	100*****	7 DAYS	700 YEN	Enc(DK,WK8)
9	100*****	7 DAYS	700 YEN	Enc(DK,WK9)
10	100*****	10 DAYS	1000 YEN	Enc(DK,WK10)

FIG. 35

131A

CONTENT ID	(INDEX INFORMATION, ENCRYPTED CONTENT KEY) ENCRYPTED CONTENT
1000001	$\begin{pmatrix} (1, \text{Enc}(\text{WK1}, \text{CK1})), \\ (2, \text{Enc}(\text{WK2}, \text{CK1})), \\ \vdots \\ (10, \text{Enc}(\text{WK10}, \text{CK1})), \end{pmatrix} \text{Enc}(\text{CK1}, \text{CNT1})$
1000002	$\begin{pmatrix} (1, \text{Enc}(\text{WK1}, \text{CK2})), \\ (2, \text{Enc}(\text{WK2}, \text{CK2})), \\ \vdots \\ (10, \text{Enc}(\text{WK10}, \text{CK2})), \end{pmatrix} \text{Enc}(\text{CK2}, \text{CNT2})$
\vdots	\vdots

FIG.36

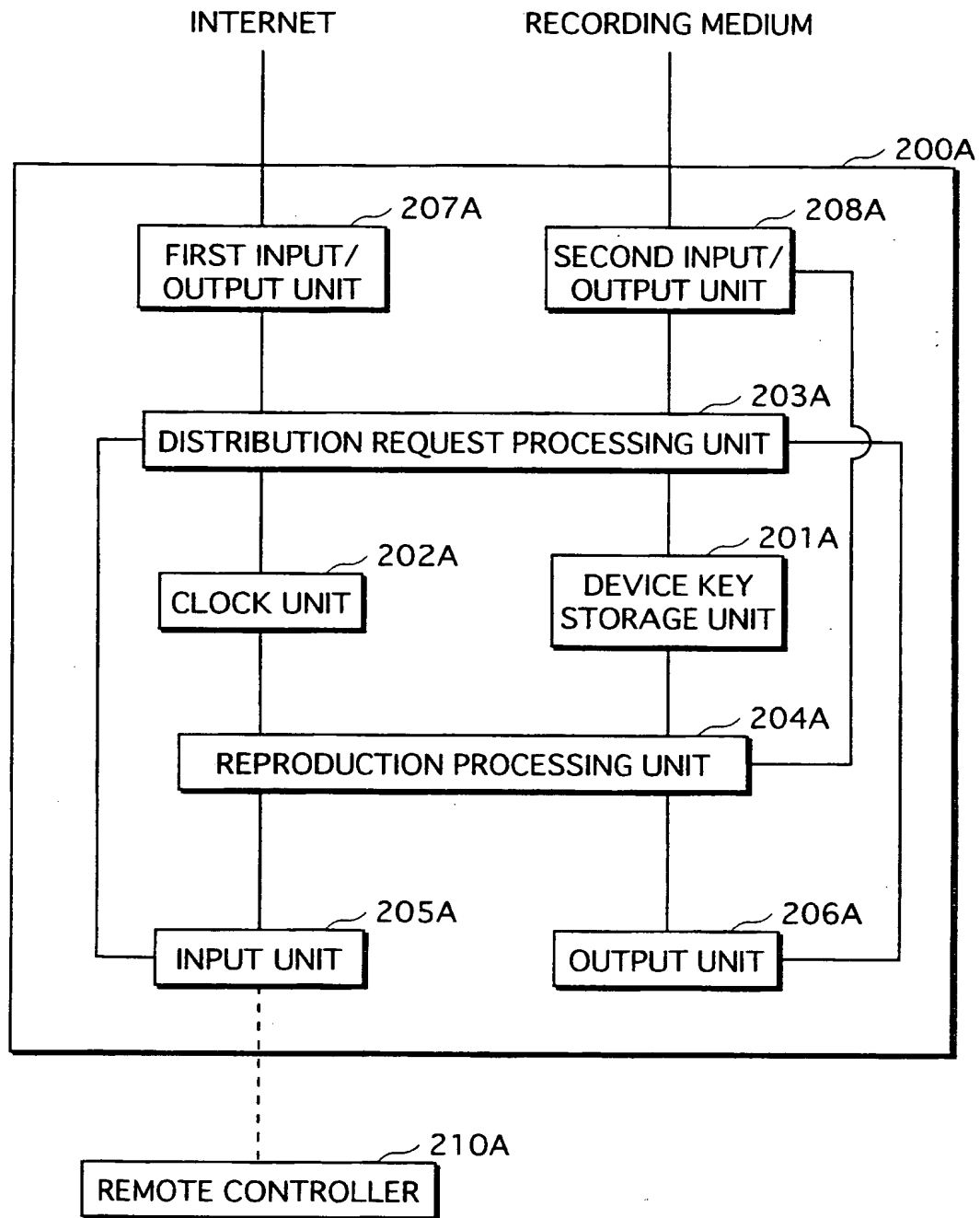


FIG.37

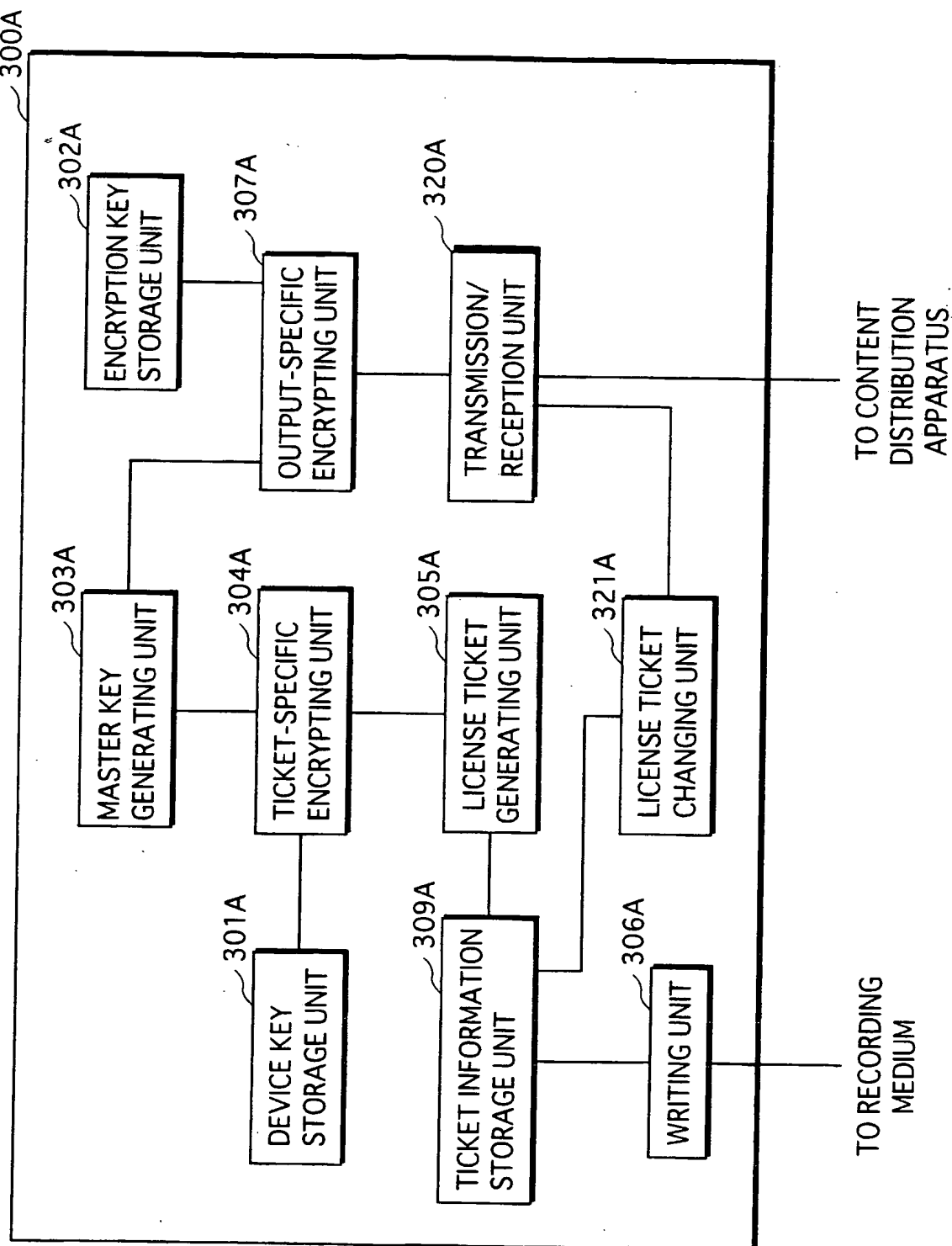


FIG.38

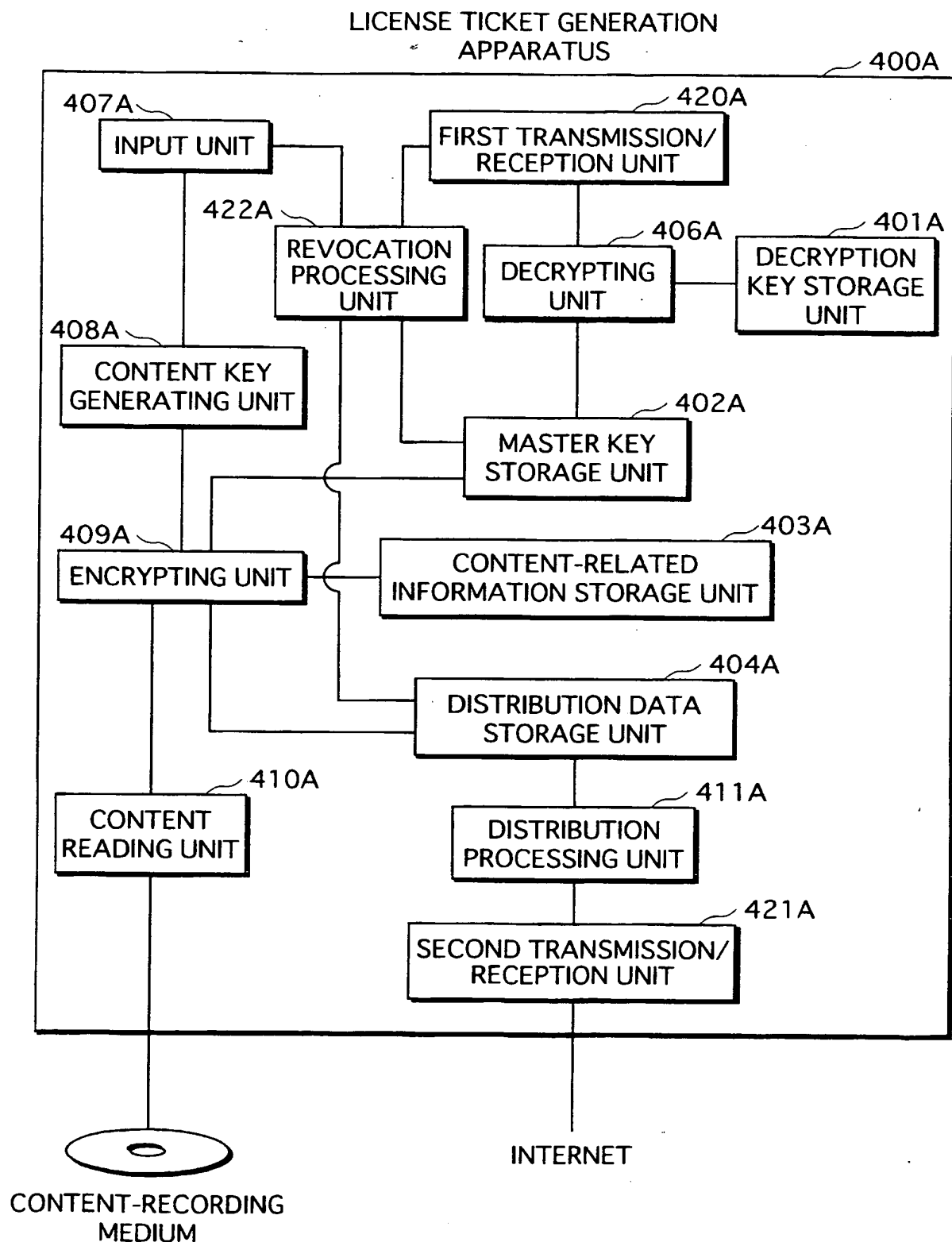


FIG.39

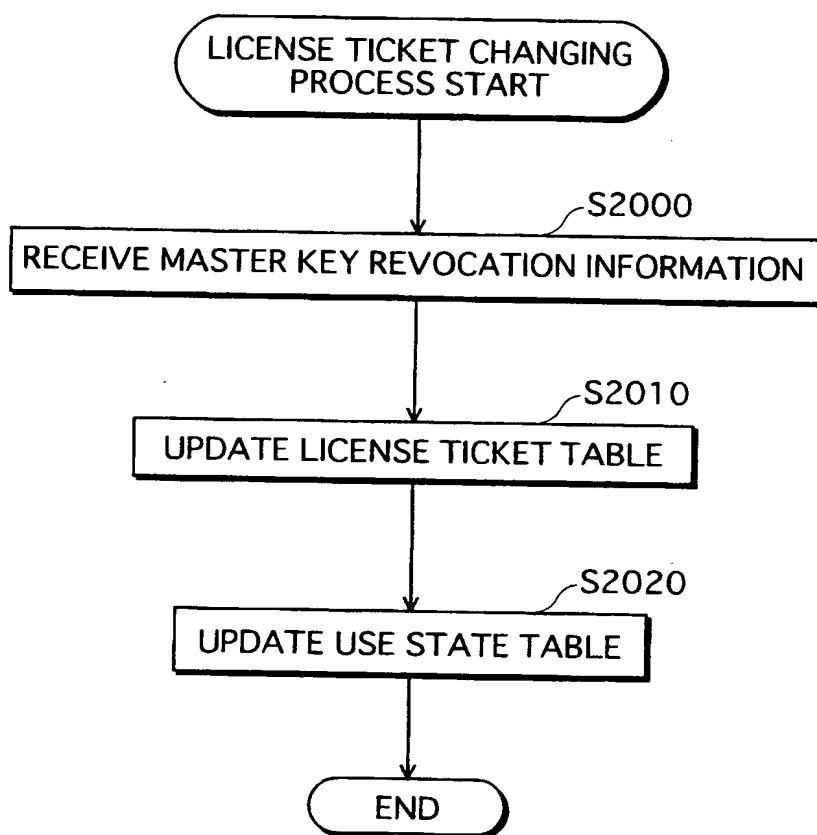


FIG. 40

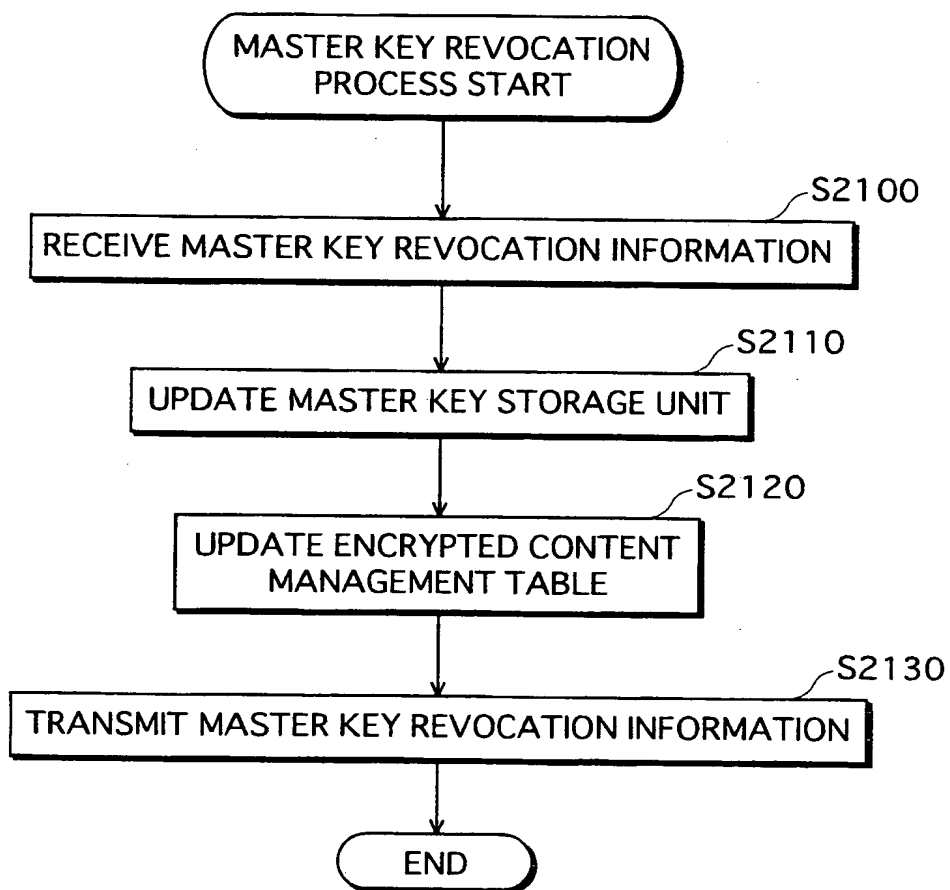
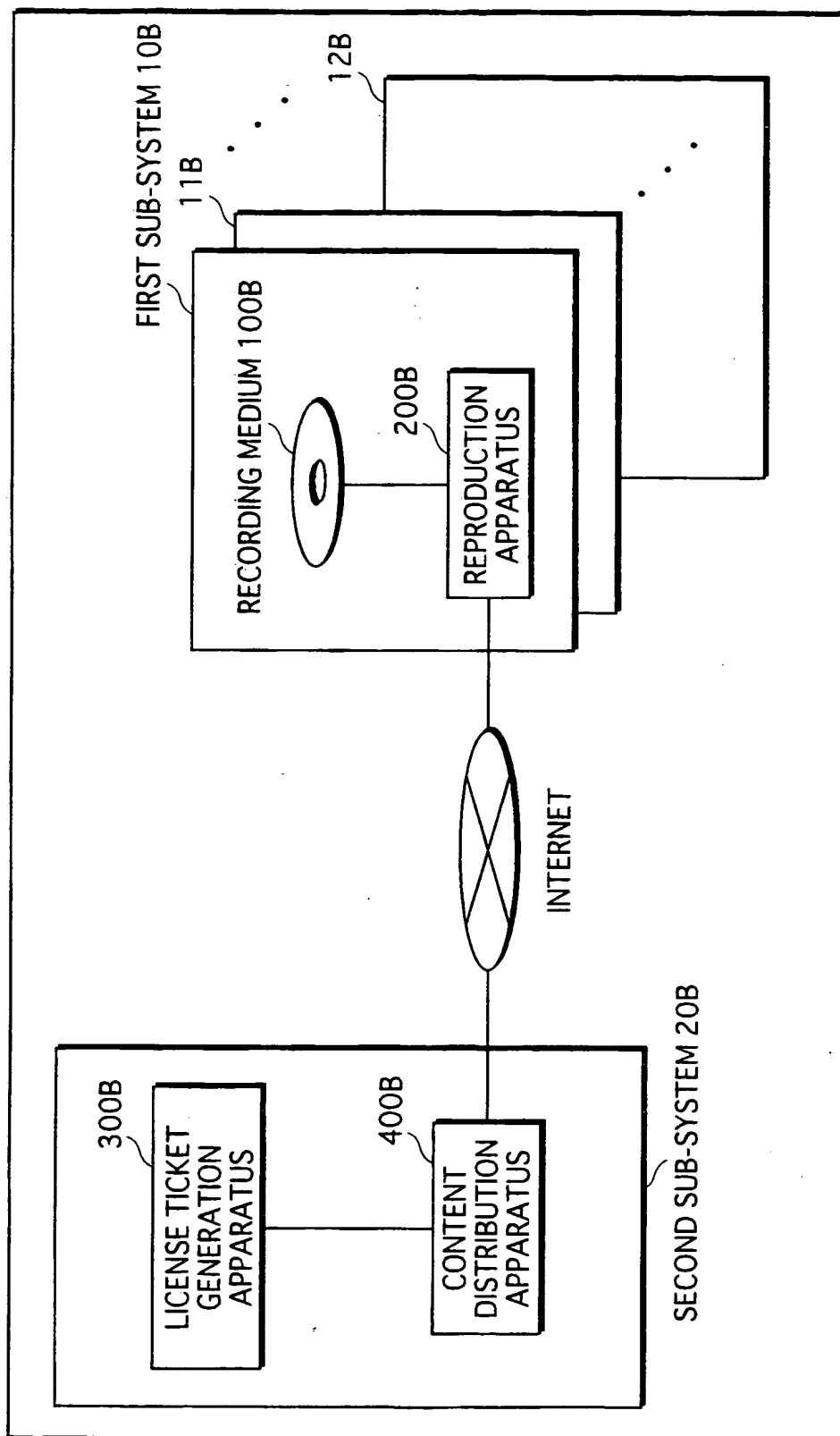


FIG.41



PREPAID CARD SYSTEM 3

FIG.42

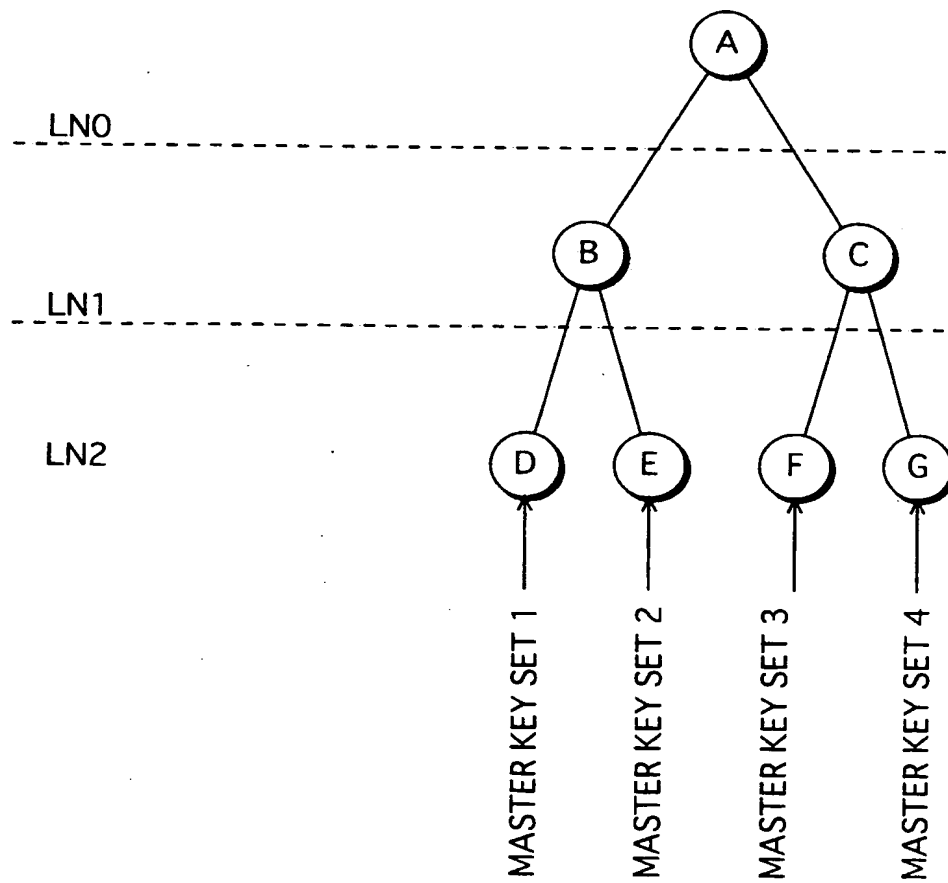


FIG.43A

NODE	MASTER KEY
A	0-0K00,0-0K01,0-0K10
B	1-0K01,1-0K10
C	1-1K01,1-1K10

FIG.43B

MASTER KEY SET	MASTER KEY
MASTER KEY SET 1	0-0K00,0-0K01,1-0K01
MASTER KEY SET 2	0-0K00,0-0K01,1-0K10
MASTER KEY SET 3	0-0K00,0-0K10,1-1K01
MASTER KEY SET 4	0-0K00,0-0K10,1-1K10

FIG.44

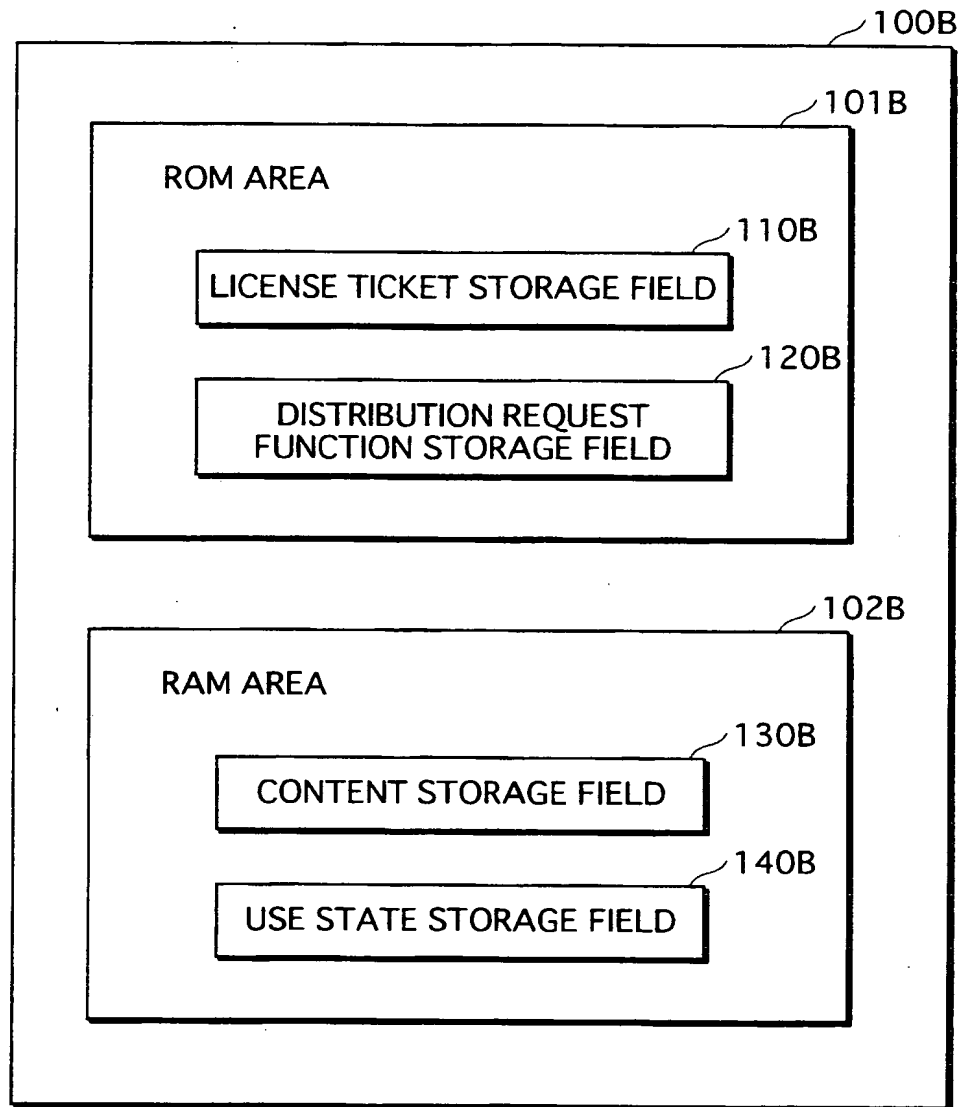



FIG.45

 T100B

TICKET NUMBER	USABLE CONTENT ID	USE RULE		TICKET-SPECIFIC ENCRYPTED MASTER KEY SET
		RENTAL	PURCHASE	
1	100*****	3 DAYS	300 YEN	Enc(DK,WKS1)
2	100*****	3 DAYS	300 YEN	Enc(DK,WKS2)
3	100*****	3 DAYS	300 YEN	Enc(DK,WKS3)
4	100*****	5 DAYS	500 YEN	Enc(DK,WKS4)
5	100*****	5 DAYS	500 YEN	Enc(DK,WKS5)
6	100*****	5 DAYS	500 YEN	Enc(DK,WKS6)
7	100*****	7 DAYS	700 YEN	Enc(DK,WKS7)
8	100*****	7 DAYS	700 YEN	Enc(DK,WKS8)
9	100*****	7 DAYS	700 YEN	Enc(DK,WKS9)
10	100*****	10 DAYS	1000 YEN	Enc(DK,WKS10)

FIG.46

131B

CONTENT ID 1000001	(INDEX INFORMATION, ENCRYPTED CONTENT KEY) (Ind1,Enc(WK1,CK1)),	ENCRYPTED CONTENT Enc(CK1,CNT1)
1000002	(Ind1,Enc(WK2,CK2)),	Enc(CK2,CNT2)
⋮ ⋮ ⋮	⋮ ⋮ ⋮	

FIG.47

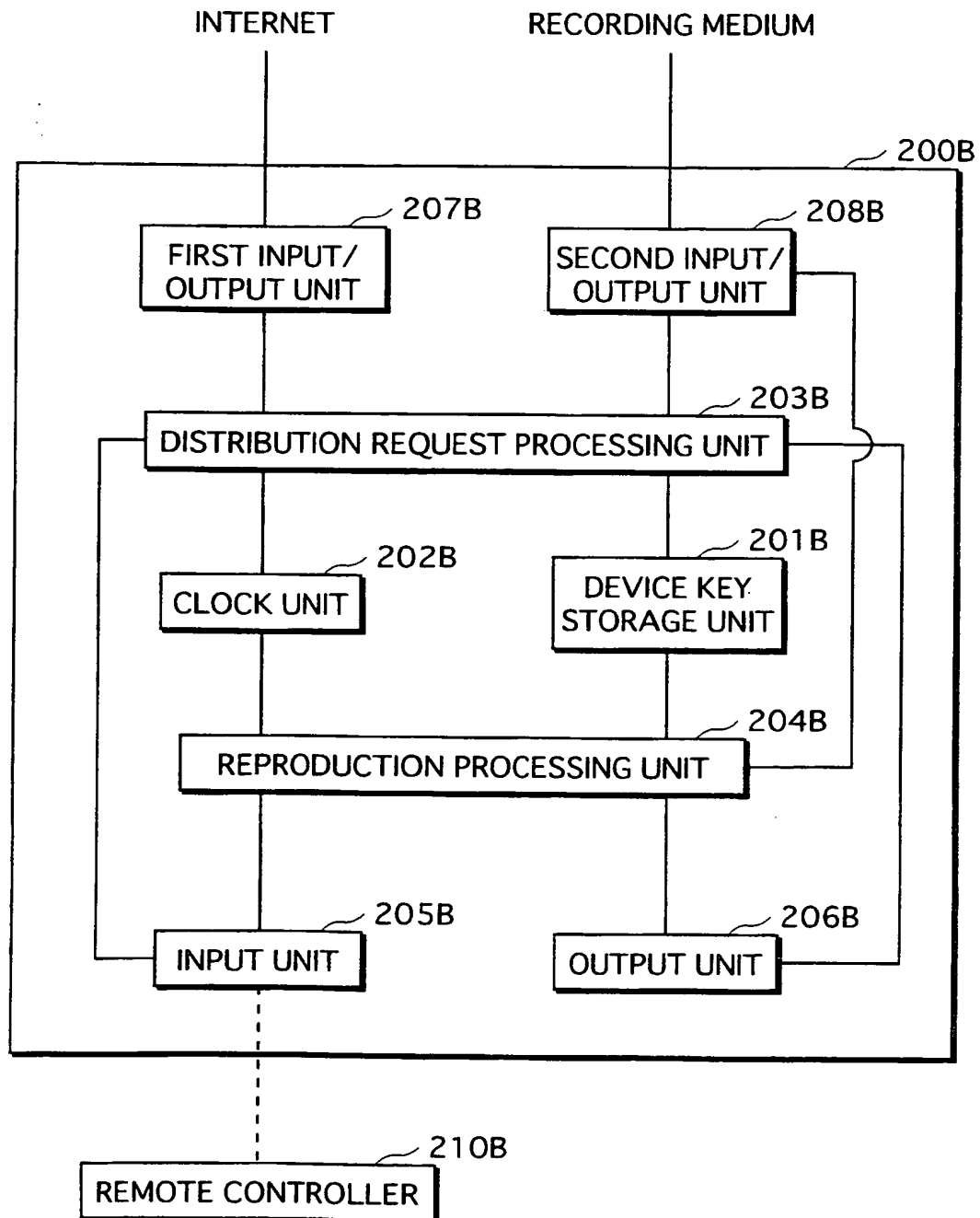


FIG. 48

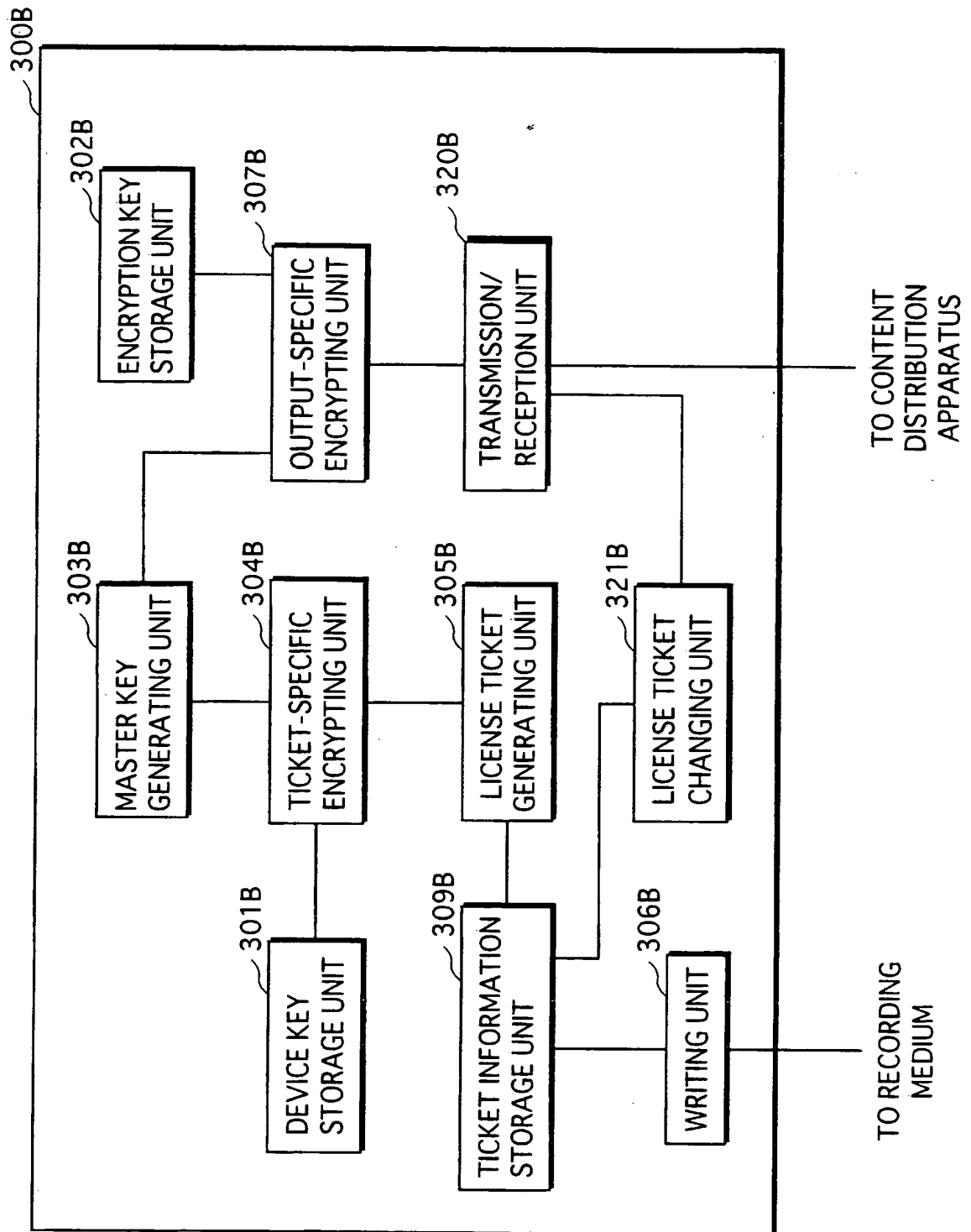


FIG.49

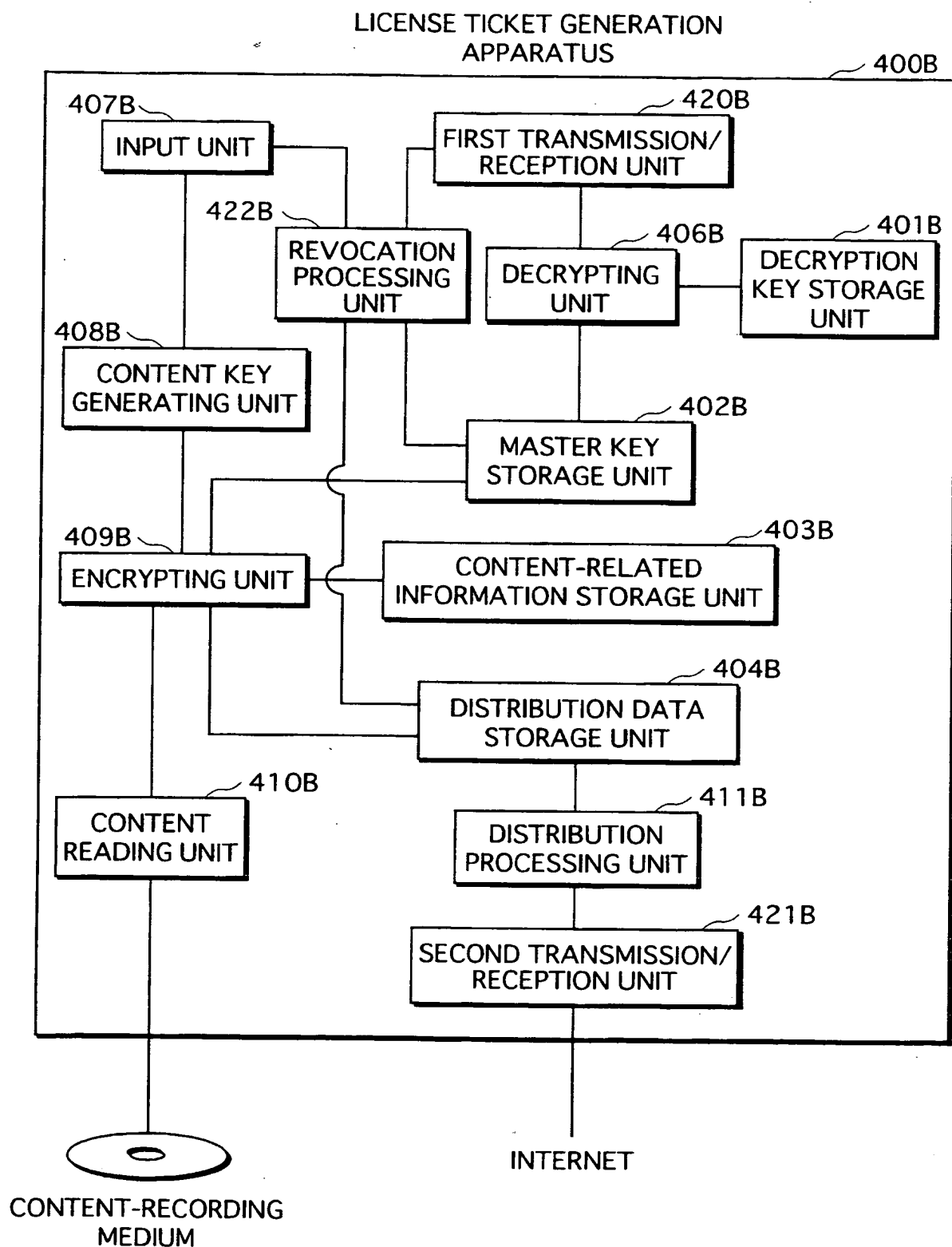


FIG. 50

